

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052819\
 Data File : VN055850.D
 Acq On : 28 May 2019 14:06
 Operator : JC/SP
 Sample : VN0528WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBSD01

Quant Time: May 28 17:38:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	360310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	518238	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	452870	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	185898	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	185054	49.73	ug/l	0.00
Spiked Amount			Recovery	=	99.46%	
35) Dibromofluoromethane	7.59	113	166269	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
50) Toluene-d8	10.09	98	621331	49.44	ug/l	0.00
Spiked Amount			Recovery	=	98.88%	
62) 4-Bromofluorobenzene	12.40	95	200594	46.55	ug/l	0.00
Spiked Amount			Recovery	=	93.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	44548	18.371	ug/l	99
3) Chloromethane	2.06	50	62496	18.394	ug/l	97
4) Vinyl Chloride	2.19	62	68310	18.850	ug/l	99
5) Bromomethane	2.53	94	46609	20.559	ug/l	98
6) Chloroethane	2.68	64	43226	19.812	ug/l	99
7) Trichlorofluoromethane	3.01	101	93889	19.762	ug/l	99
8) Diethyl Ether	3.41	74	41381	19.433	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	57501	19.389	ug/l	98
10) Methyl Iodide	3.94	142	88833	20.488	ug/l	99
11) Tert butyl alcohol	4.82	59	73753	103.738	ug/l	98
12) 1,1-Dichloroethene	3.72	96	59205	19.321	ug/l	98
13) Acrolein	3.60	56	45712	89.794	ug/l	97
14) Allyl chloride	4.31	41	99239	18.891	ug/l	99
15) Acrylonitrile	4.99	53	165764	101.537	ug/l	99
16) Acetone	3.82	43	137419	84.014	ug/l	96
17) Carbon Disulfide	4.04	76	147445	16.936	ug/l	100
18) Methyl Acetate	4.33	43	72972	21.217	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	204148	19.975	ug/l	99
20) Methylene Chloride	4.54	84	67886	19.164	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	64198	19.501	ug/l	99
22) Diisopropyl ether	5.95	45	199851	19.560	ug/l	97
23) Vinyl Acetate	5.90	43	852109	97.271	ug/l	99
24) 1,1-Dichloroethane	5.84	63	115733	19.455	ug/l	100
25) 2-Butanone	6.84	43	213829	93.606	ug/l	99
26) 2,2-Dichloropropane	6.82	77	87266	16.950	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	76660	19.959	ug/l	98
28) Bromochloromethane	7.19	49	56457	19.933	ug/l	96
29) Tetrahydrofuran	7.22	42	147875	102.222	ug/l	99
30) Chloroform	7.37	83	119491	20.141	ug/l	99
31) Cyclohexane	7.65	56	109070	19.529	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	104332	19.707	ug/l	99
36) 1,1-Dichloropropene	7.79	75	84764	18.769	ug/l	99
37) Ethyl Acetate	6.93	43	89948	20.607	ug/l	98
38) Carbon Tetrachloride	7.77	117	87930	18.692	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	106773	19.092	ug/l	100
40) Benzene	8.04	78	271877	19.975	ug/l	99
41) Methacrylonitrile	7.17	41	40749	18.479	ug/l	92
42) 1,2-Dichloroethane	8.12	62	90200	20.281	ug/l	99
43) Isopropyl Acetate	8.17	43	142482	19.428	ug/l	100
44) Trichloroethene	8.83	130	77566	20.442	ug/l	97
45) 1,2-Dichloropropane	9.12	63	70330	19.832	ug/l	98
46) Dibromomethane	9.21	93	47355	20.362	ug/l	97
47) Bromodichloromethane	9.40	83	92558	19.409	ug/l	99
48) Methyl methacrylate	9.20	41	66810	19.766	ug/l	96
49) 1,4-Dioxane	9.20	88	28154	400.831	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	432315	99.810	ug/l	99
52) Toluene	10.16	92	173345	20.250	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	93342	18.337	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	108190	19.185	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	70193	20.468	ug/l	99
56) Ethyl methacrylate	10.43	69	102252	19.293	ug/l	97
57) 1,3-Dichloropropane	10.71	76	112049	20.101	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	183977	90.833	ug/l	99
59) 2-Hexanone	10.75	43	291280	94.796	ug/l	100
60) Dibromochloromethane	10.90	129	75901	18.999	ug/l	99
61) 1,2-Dibromoethane	11.00	107	71344	20.057	ug/l	99
64) Tetrachloroethene	10.63	164	79697	20.865	ug/l	99
65) Chlorobenzene	11.43	112	184370	20.337	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	71586	19.798	ug/l	99
67) Ethyl Benzene	11.51	91	320692	19.725	ug/l	98
68) m/p-Xylenes	11.62	106	244621	39.800	ug/l	99
69) o-Xylene	11.95	106	120612	19.779	ug/l	100
70) Styrene	11.96	104	193330	19.578	ug/l	100
71) Bromoform	12.13	173	55965	18.146	ug/l #	99
73) Isopropylbenzene	12.25	105	320263	22.766	ug/l	99
74) N-amyl acetate	12.07	43	110151	20.539	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	94702	22.349	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	111516	33.819	ug/l #	100
77) Bromobenzene	12.53	156	85611	21.581	ug/l	93
78) n-propylbenzene	12.59	91	326312	20.196	ug/l	99
79) 2-Chlorotoluene	12.67	91	203232	21.921	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	257026	21.640	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	24982	18.081	ug/l	96
82) 4-Chlorotoluene	12.77	91	187949	19.789	ug/l	100
83) tert-Butylbenzene	12.99	119	231892	22.433	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	252926	21.422	ug/l	99
85) sec-Butylbenzene	13.17	105	285888	21.499	ug/l	100
86) p-Isopropyltoluene	13.29	119	259772	20.122	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	125665	20.006	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	116337	19.481	ug/l	98
89) n-Butylbenzene	13.61	91	182571	18.457	ug/l	99
90) Hexachloroethane	13.87	117	45598	18.556	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	127127	20.286	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15666	19.019	ug/l	98

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Quant Title : SW846 8260
QLast Update : Fri May 24 06:41:54 2019
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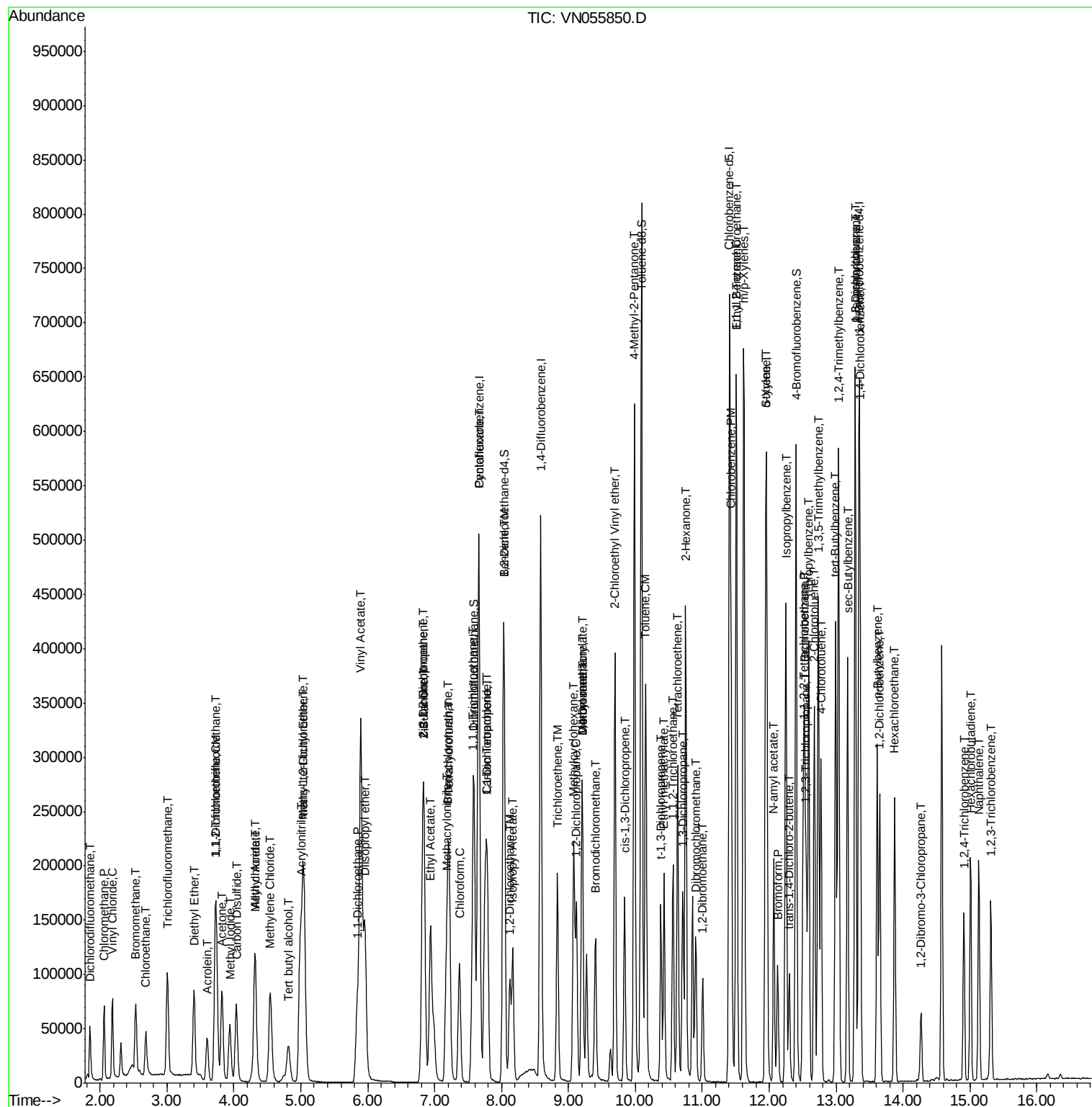
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	55856	18.002	ug/l	99
94) Hexachlorobutadiene	15.01	225	47691	20.548	ug/l	99
95) Naphthalene	15.13	128	182639	21.238	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	63727	19.237	ug/l	98

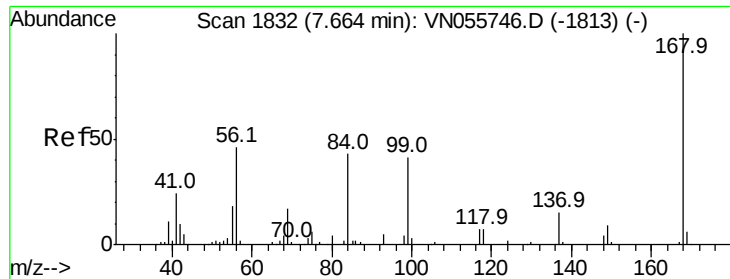
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052819\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

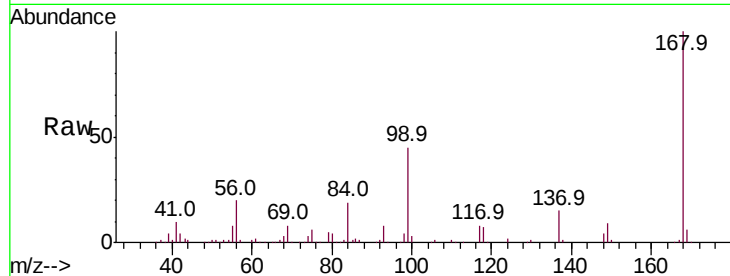
VN0528WBSD01

Tot Ion:168 Resp: 360310

Ion Ratio Lower Upper

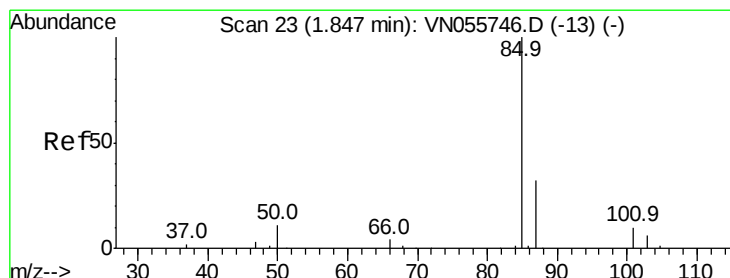
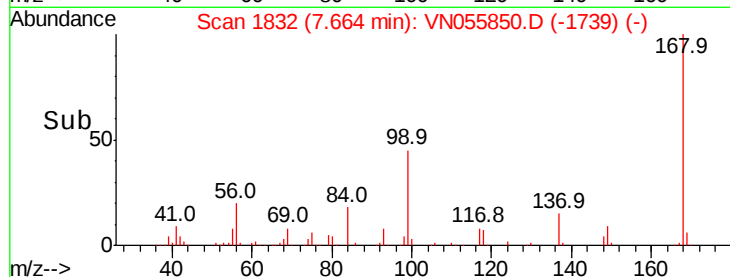
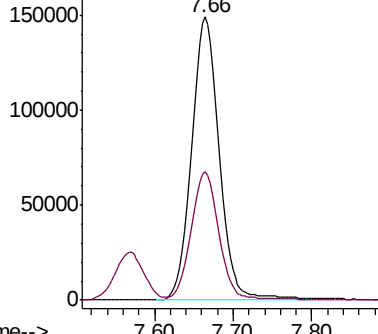
168 100

99 45.0 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 18.371 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055850.D

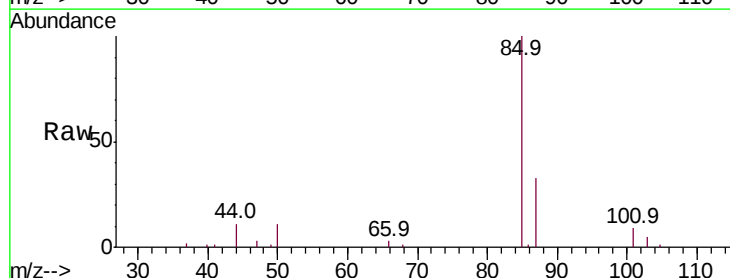
Acq: 28 May 2019 14:06

Tgt Ion: 85 Resp: 44548

Ion Ratio Lower Upper

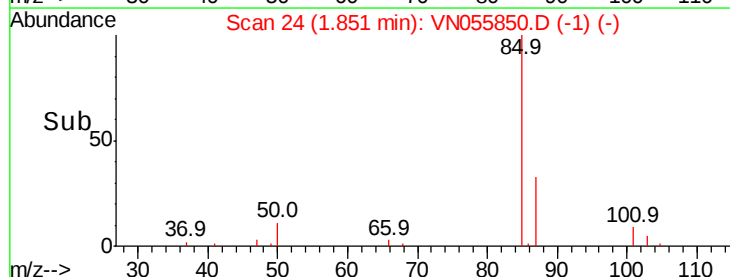
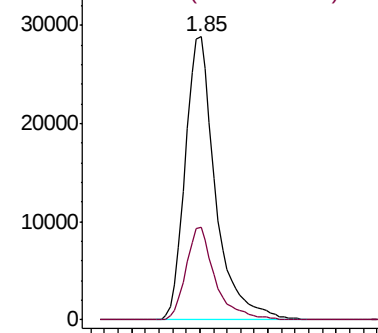
85 100

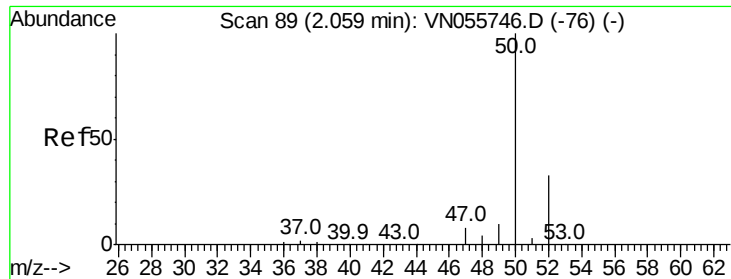
87 32.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.394 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

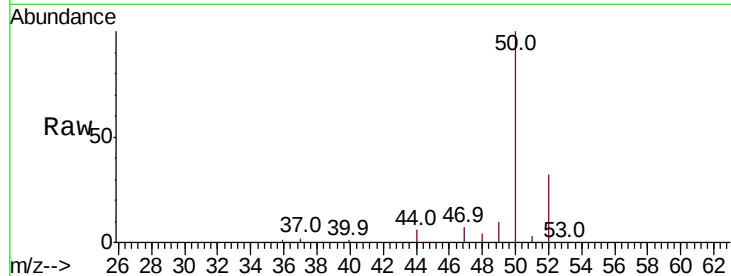
VN0528WBSD01

Tot Ion: 50 Resp: 62496

Ion Ratio Lower Upper

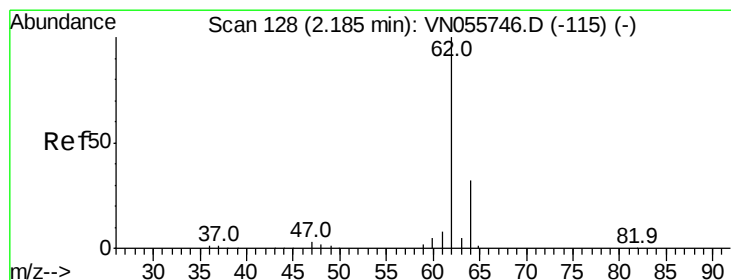
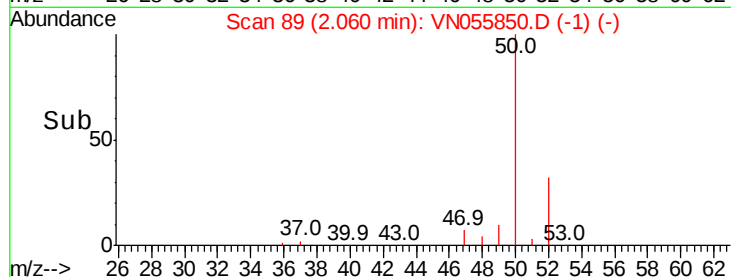
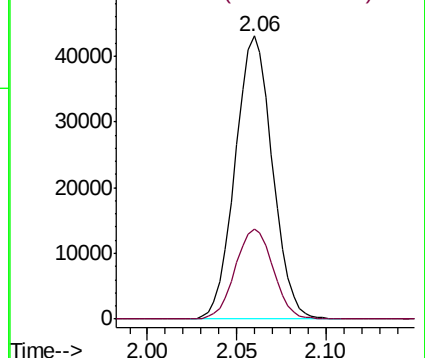
50 100

52 31.8 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 18.850 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055850.D

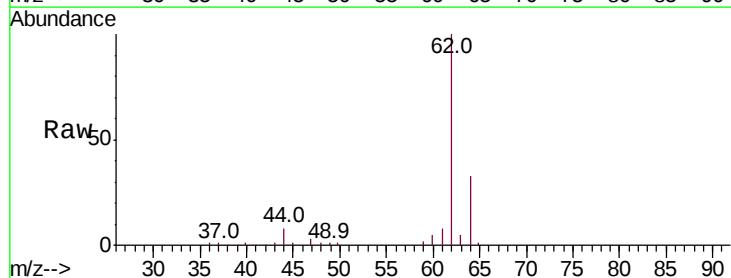
Acq: 28 May 2019 14:06

Tgt Ion: 62 Resp: 68310

Ion Ratio Lower Upper

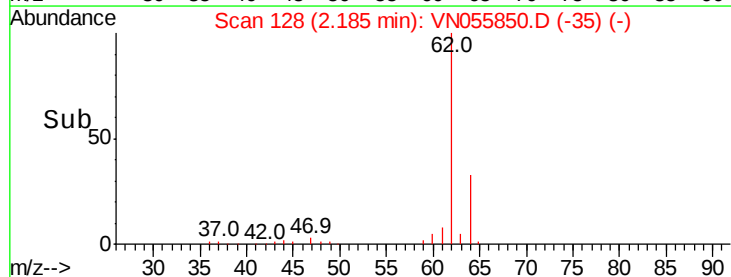
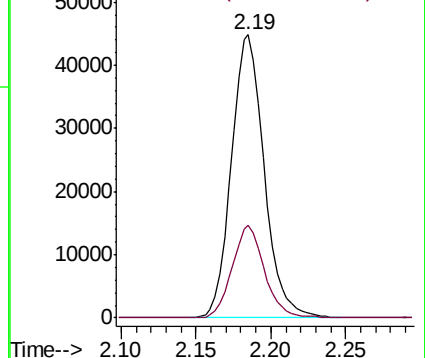
62 100

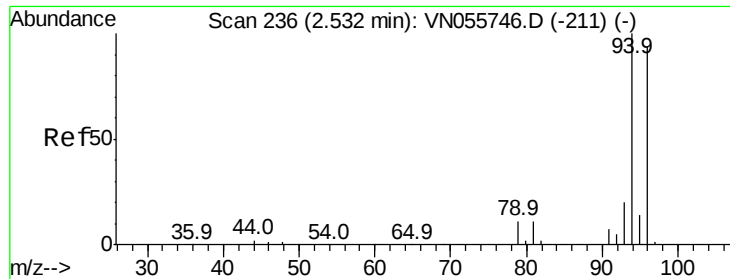
64 32.8 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

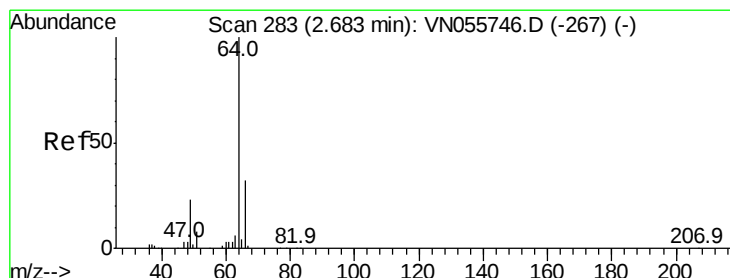
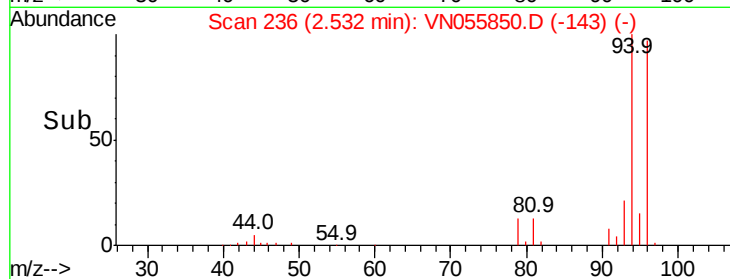
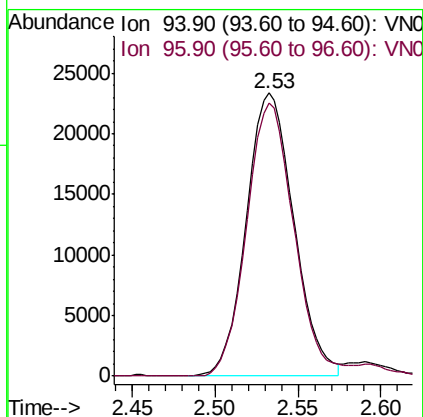
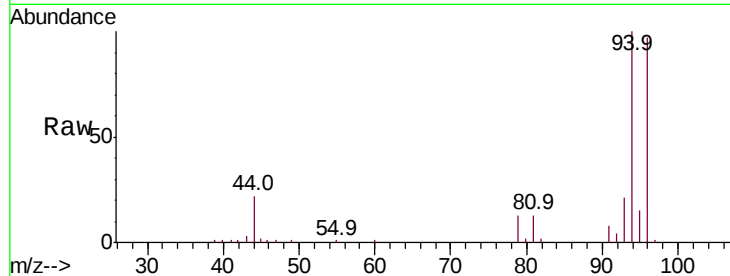




#5
Bromomethane
Concen: 20.559 ug/l
RT: 2.53 min Scan# 236
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

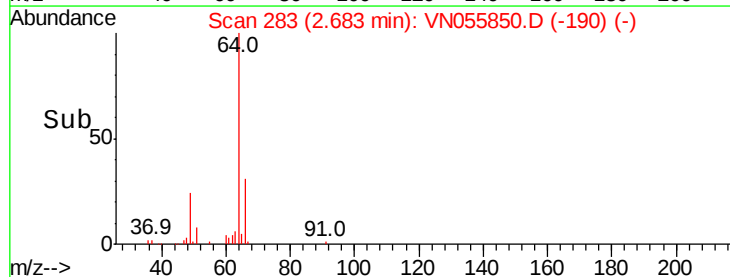
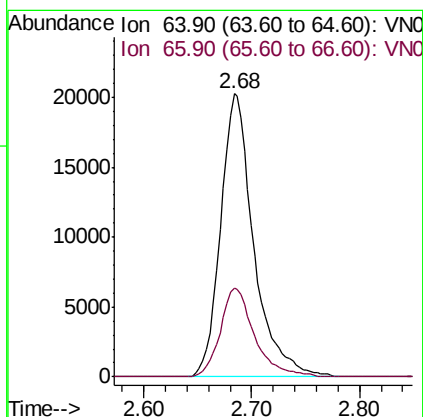
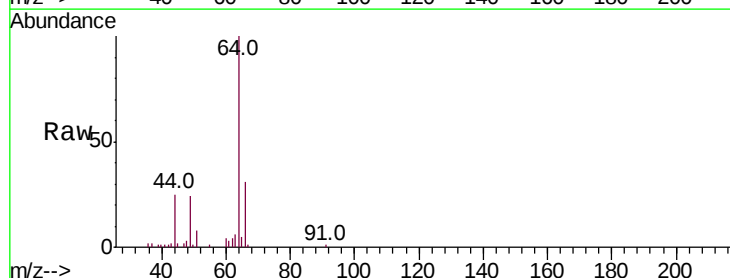
Instrument :
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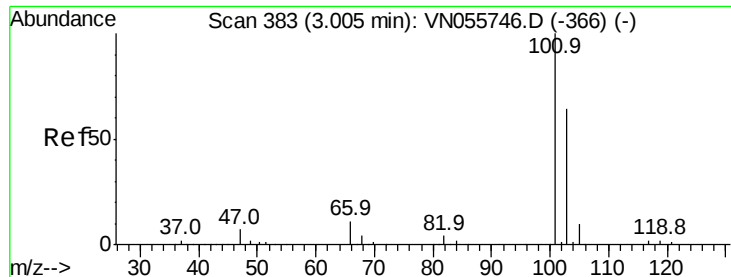
Tot Ion: 94 Resp: 46609
Ion Ratio Lower Upper
94 100
96 96.7 75.5 113.3



#6
Chloroethane
Concen: 19.812 ug/l
RT: 2.68 min Scan# 283
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

Tgt Ion: 64 Resp: 43226
Ion Ratio Lower Upper
64 100
66 31.3 25.4 38.0



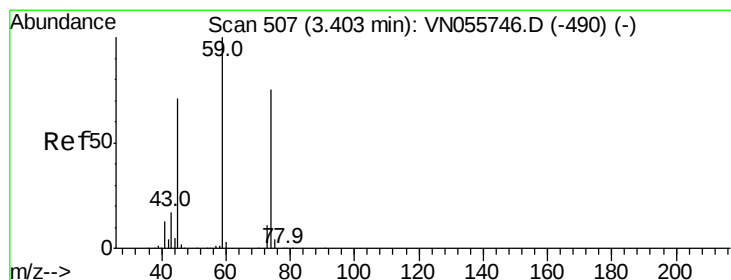
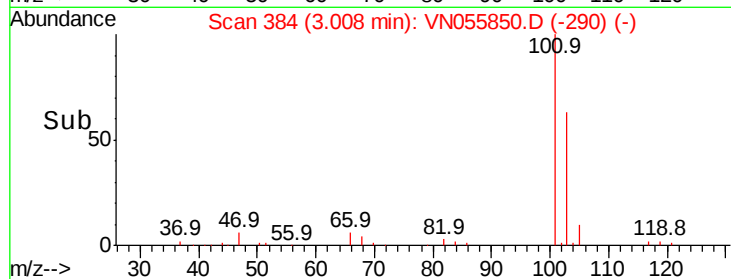
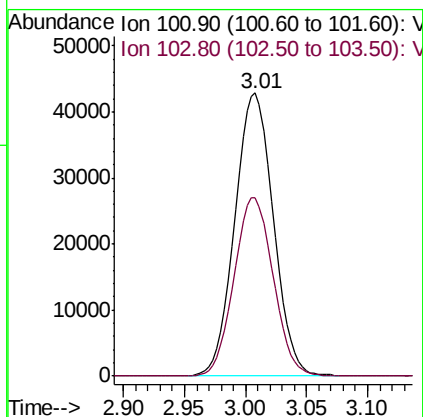
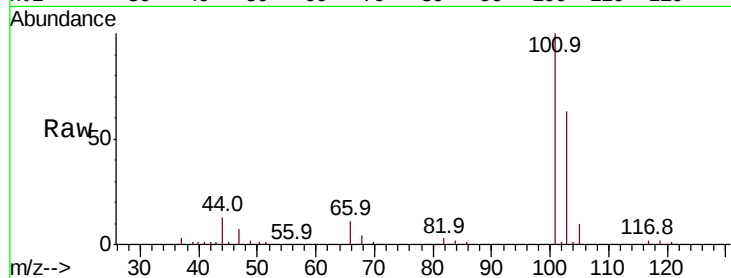


#7

Trichlorofluoromethane
 Concen: 19.762 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VN055850.D
 Acq: 28 May 2019 14:06

Instrument :
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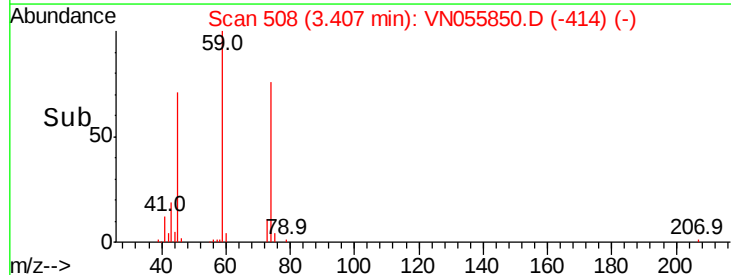
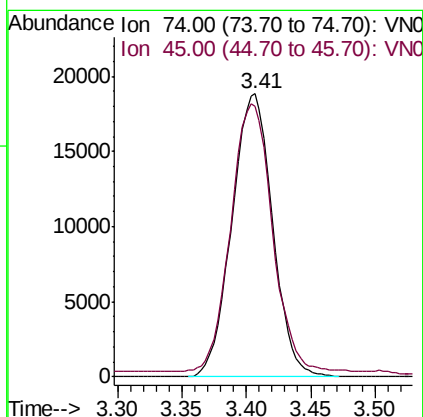
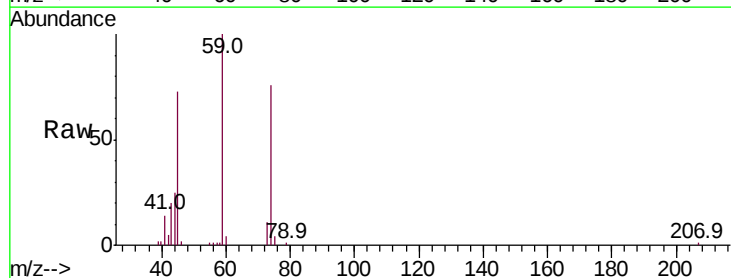
Tot Ion:101 Resp: 93889
 Ion Ratio Lower Upper
 101 100
 103 63.1 51.2 76.8

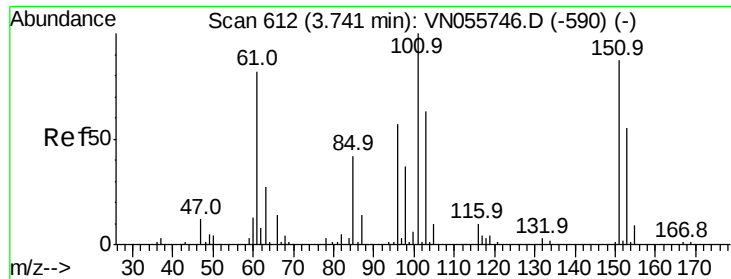


#8

Diethyl Ether
 Concen: 19.433 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN055850.D
 Acq: 28 May 2019 14:06

Tgt Ion: 74 Resp: 41381
 Ion Ratio Lower Upper
 74 100
 45 96.8 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.389 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBSD01

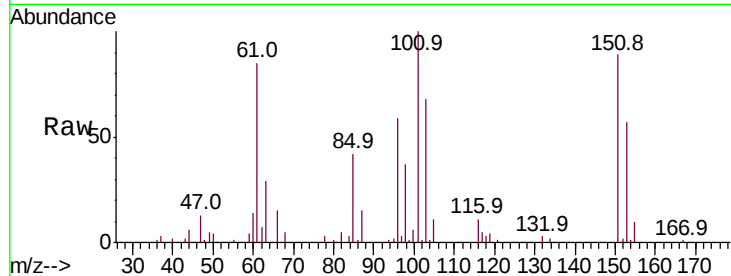
Tot Ion:101 Resp: 57501

Ion Ratio Lower Upper

101 100

85 42.3 33.4 50.2

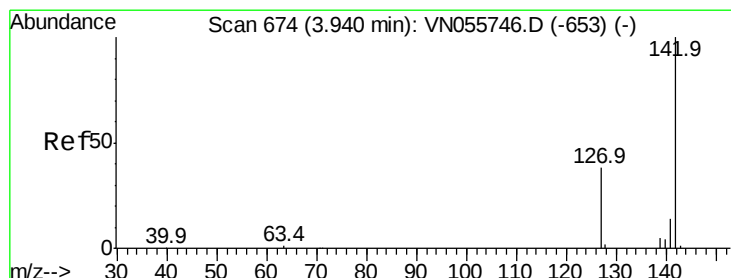
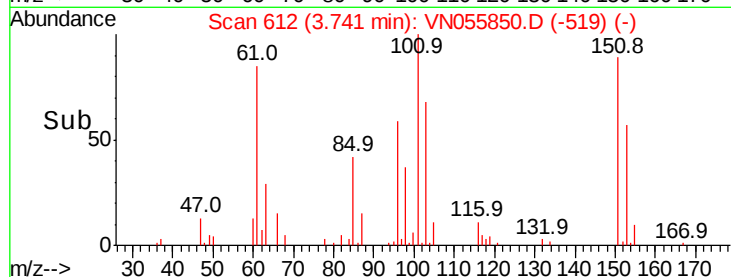
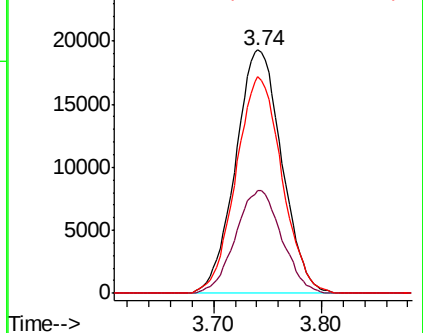
151 88.5 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.488 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

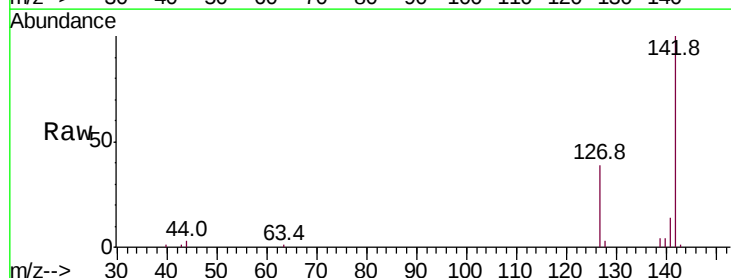
Tgt Ion:142 Resp: 88833

Ion Ratio Lower Upper

142 100

127 38.3 31.0 46.4

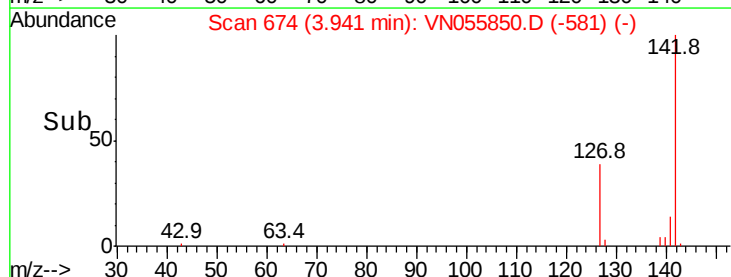
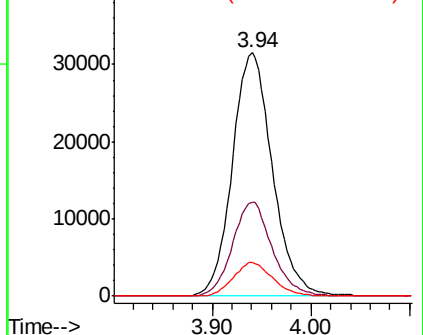
141 13.5 11.4 17.0

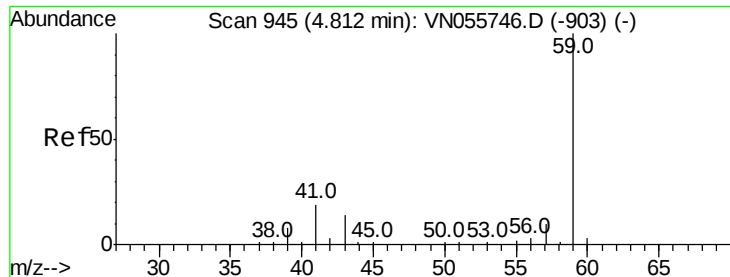


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

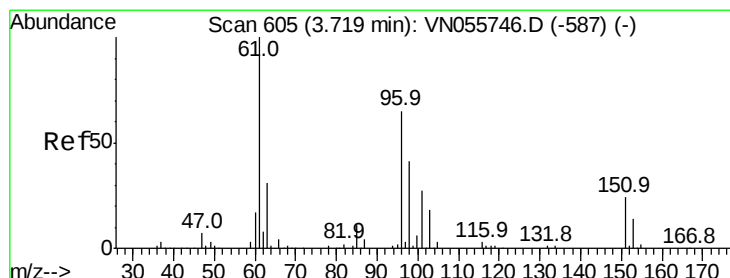
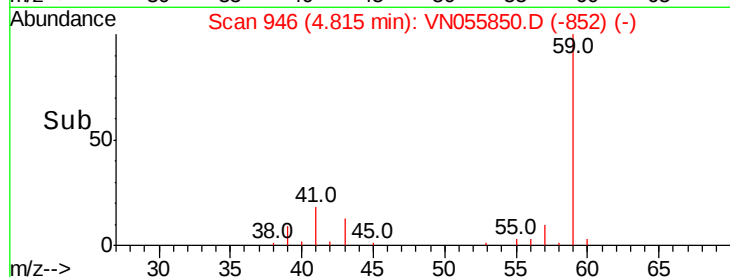
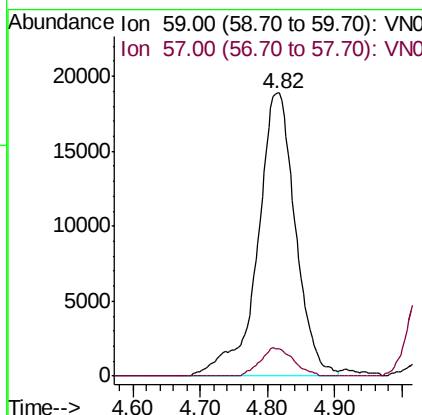
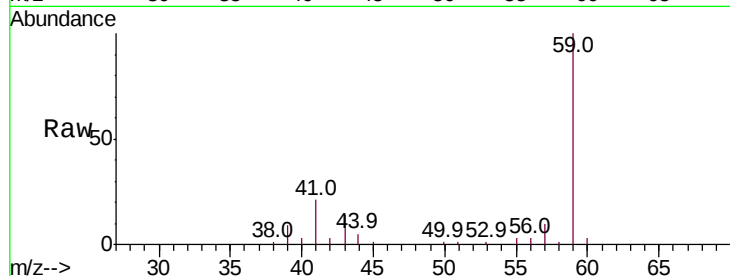




#11
Tert butyl alcohol
Concen: 103.738 ug/l
RT: 4.82 min Scan# 946
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

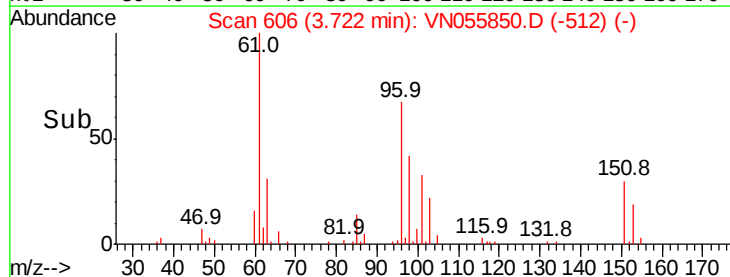
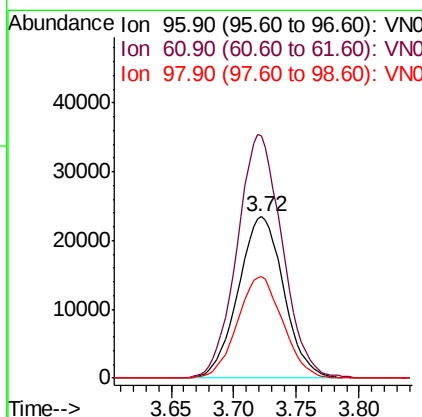
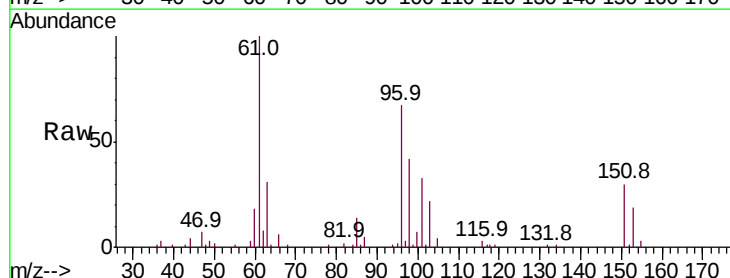
Instrument :
MSVOA_N
ClientSampleId :
VN0528WBSD01

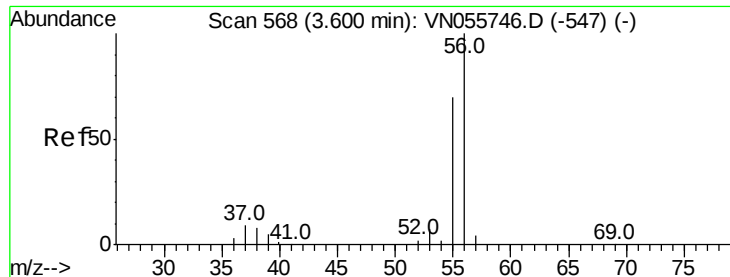
Tot Ion: 59 Resp: 73753
Ion Ratio Lower Upper
59 100
57 8.8 7.8 11.6



#12
1,1-Dichloroethene
Concen: 19.321 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

Tgt Ion: 96 Resp: 59205
Ion Ratio Lower Upper
96 100
61 150.2 123.2 184.8
98 62.9 50.4 75.6





#13

Acrolein

Concen: 89.794 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

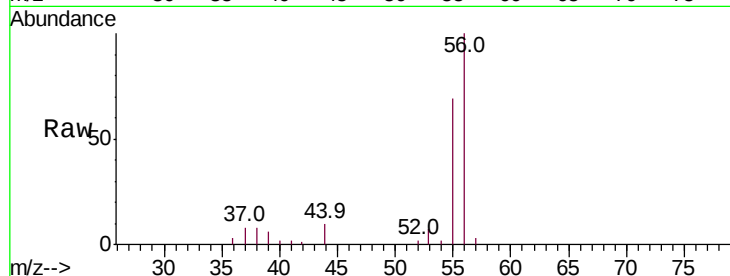
VN0528WBSD01

Tot Ion: 56 Resp: 45712

Ion Ratio Lower Upper

56 100

55 71.6 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.60

20000

15000

10000

5000

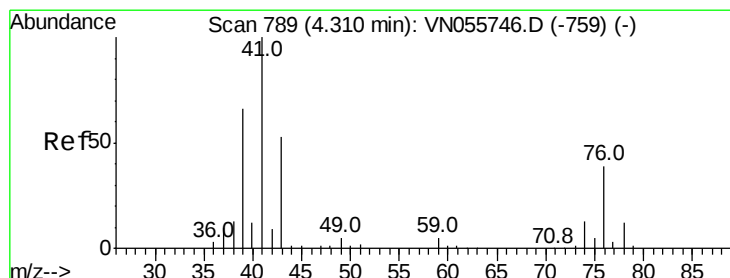
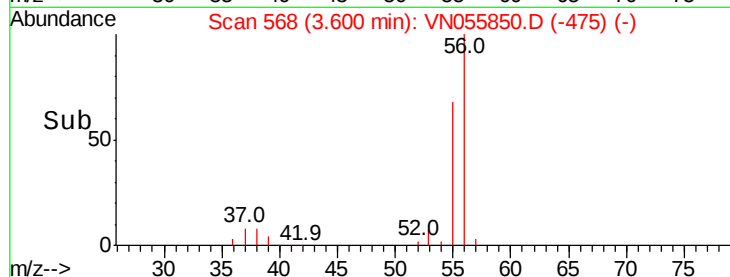
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 18.891 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

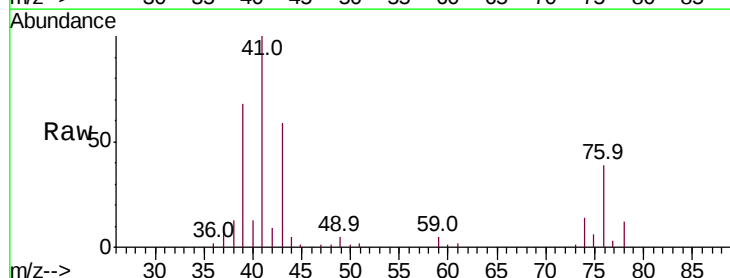
Tgt Ion: 41 Resp: 99239

Ion Ratio Lower Upper

41 100

39 63.5 50.0 75.0

76 34.6 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.31

40000

30000

20000

10000

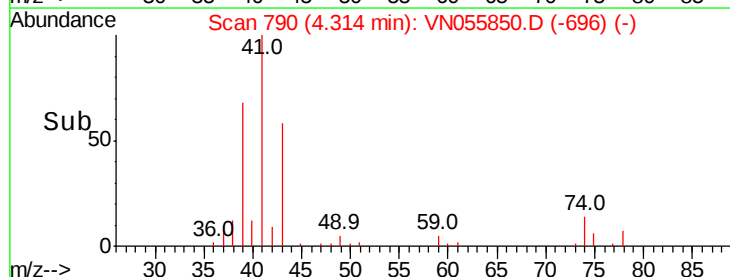
0

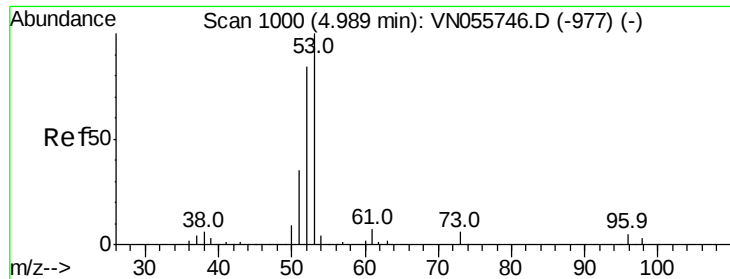
Time-->

4.20

4.30

4.40





#15

Acrylonitrile

Concen: 101.537 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBSD01

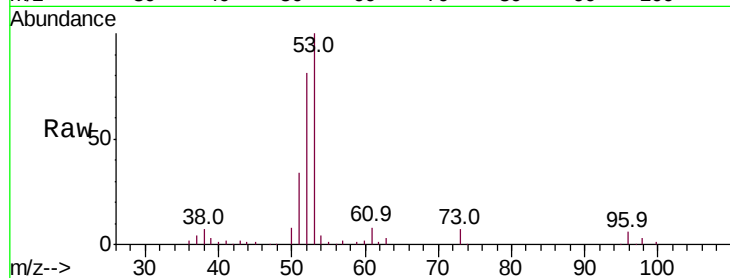
Tot Ion: 53 Resp: 165764

Ion Ratio Lower Upper

53 100

52 81.1 65.8 98.8

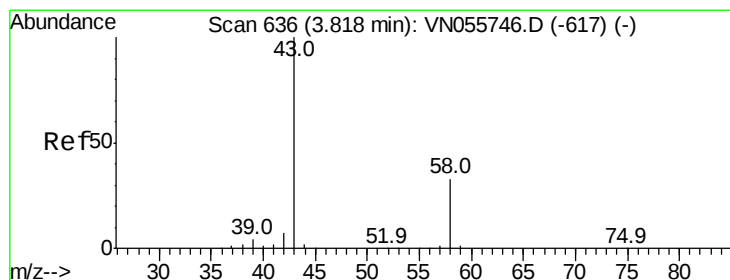
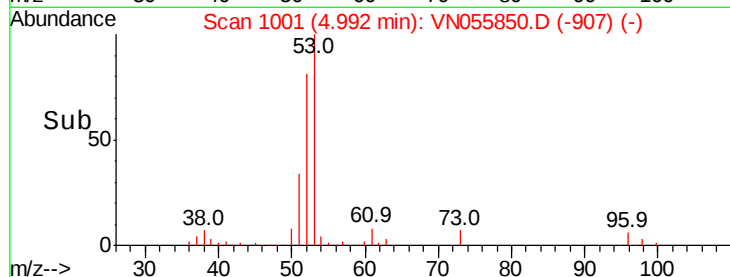
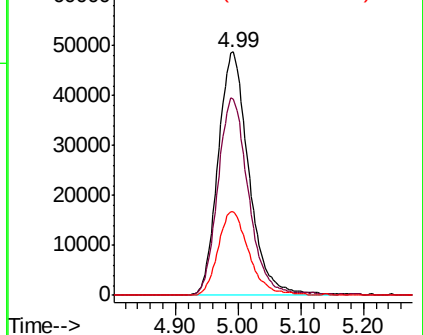
51 34.8 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 84.014 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN055850.D

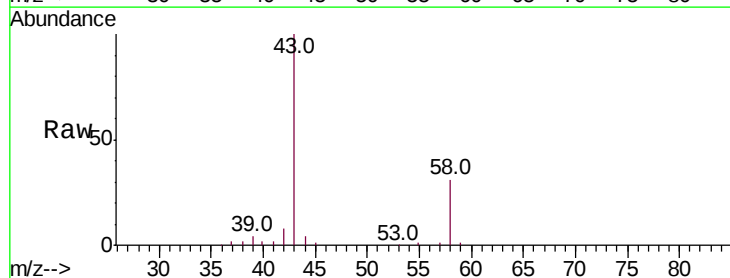
Acq: 28 May 2019 14:06

Tgt Ion: 43 Resp: 137419

Ion Ratio Lower Upper

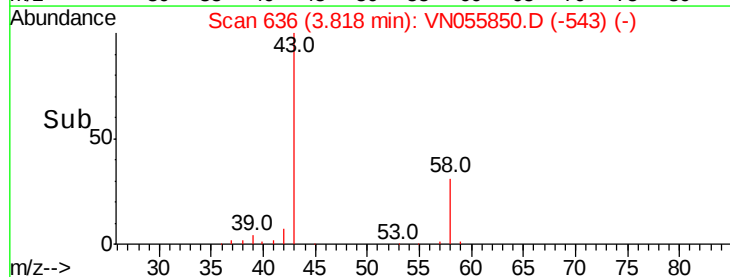
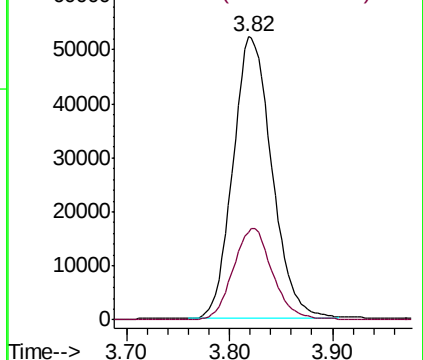
43 100

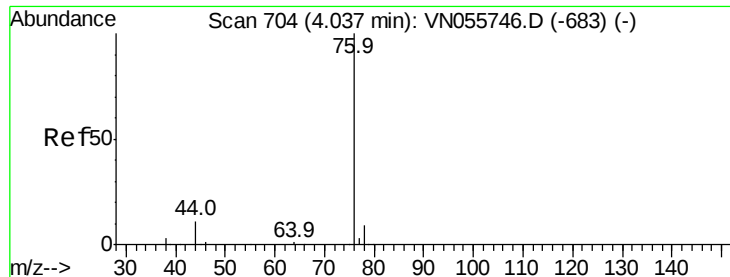
58 31.2 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 16.936 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

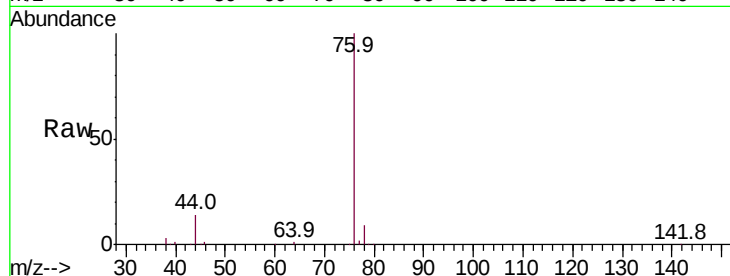
VN0528WBSD01

Tot Ion: 76 Resp: 147445

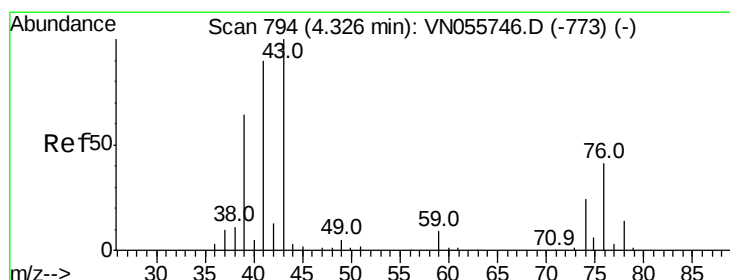
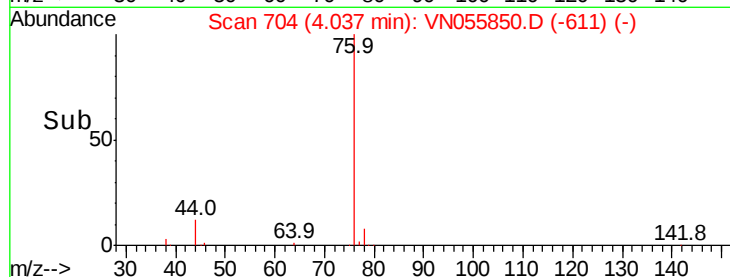
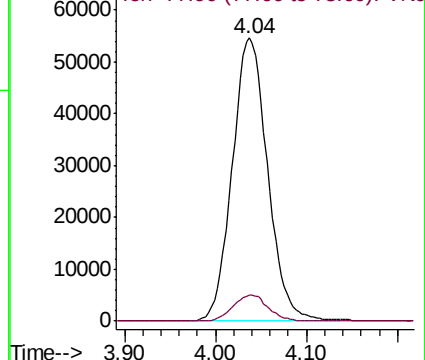
Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VNC
Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 21.217 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055850.D

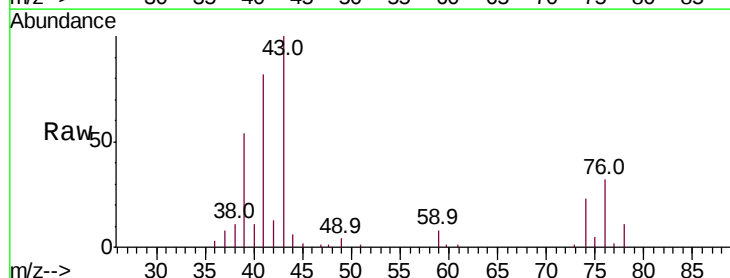
Acq: 28 May 2019 14:06

Tgt Ion: 43 Resp: 72972

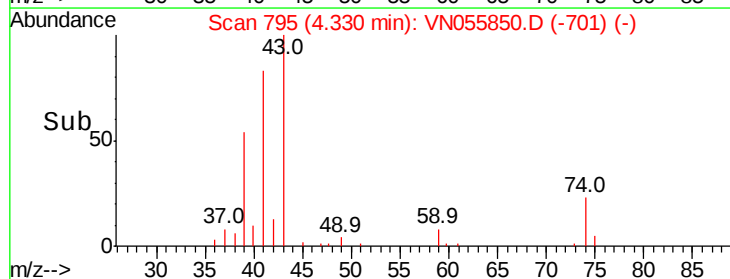
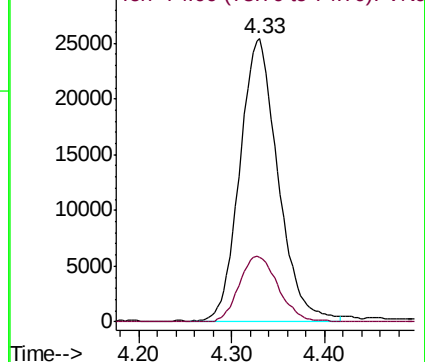
Ion Ratio Lower Upper

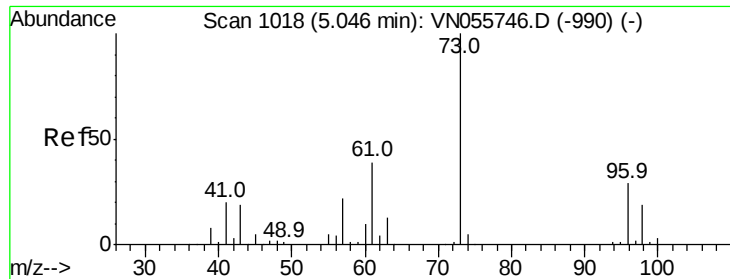
43 100

74 23.4 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 74.00 (73.70 to 74.70): VNC

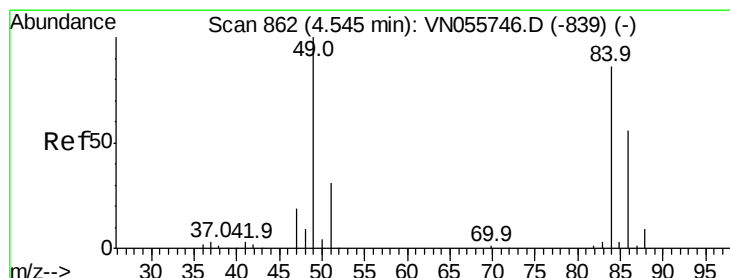
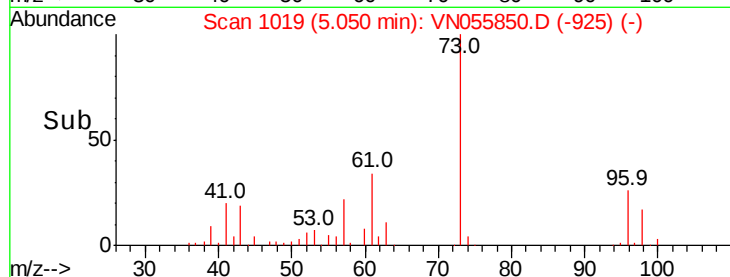
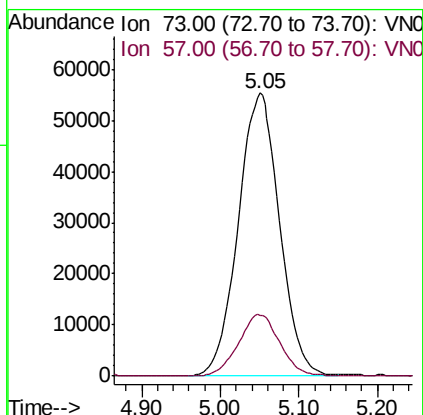
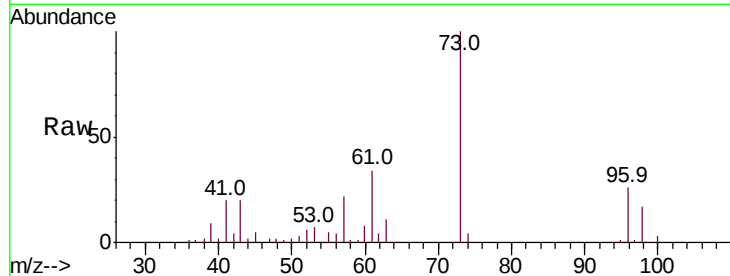




#19
Methvl tert-butvl Ether
Concen: 19.975 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

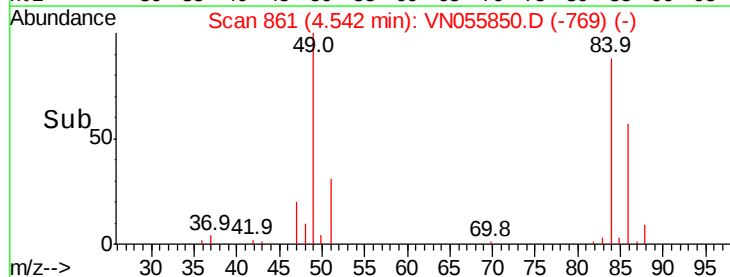
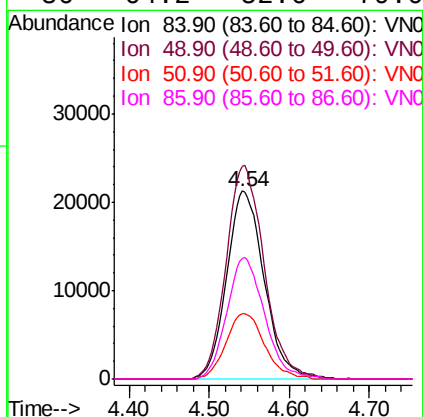
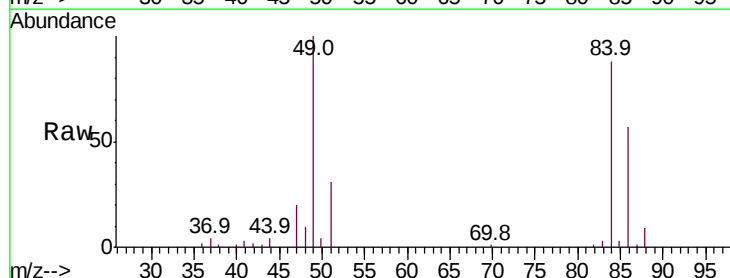
Instrument :
MSVOA_N
ClientSampleId :
VN0528WBSD01

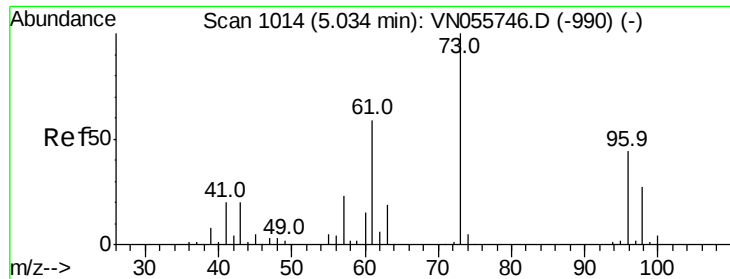
Tot Ion: 73 Resp: 204148
Ion Ratio Lower Upper
73 100
57 21.6 17.8 26.8



#20
Methylene Chloride
Concen: 19.164 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

Tgt Ion: 84 Resp: 67886
Ion Ratio Lower Upper
84 100
49 113.4 93.5 140.3
51 34.7 28.6 43.0
86 64.2 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 19.501 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampled :

VN0528WBSD01

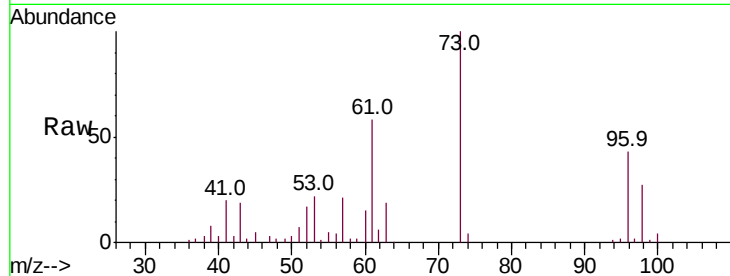
Tot Ion: 96 Resp: 64198

Ion Ratio Lower Upper

96 100

61 133.9 107.8 161.8

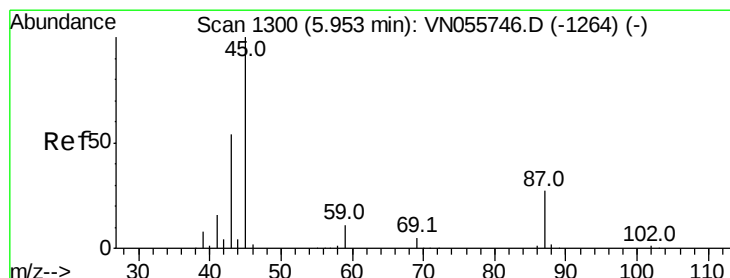
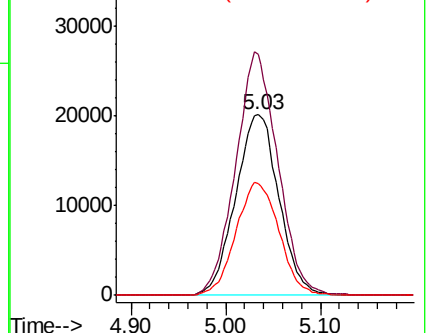
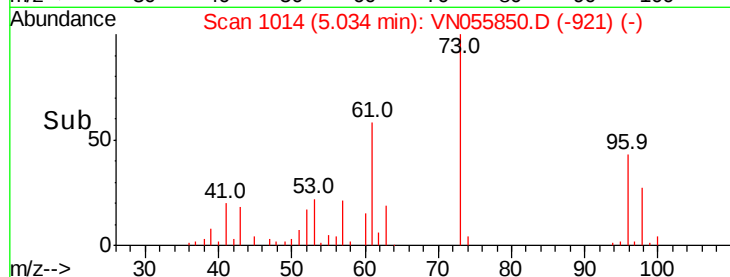
98 61.7 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VN055850.D (-1207) (-)

Ion 60.90 (60.60 to 61.60): VN055850.D (-1207) (-)

Ion 97.90 (97.60 to 98.60): VN055850.D (-1207) (-)



#22

Diisopropyl ether

Concen: 19.560 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Tgt Ion: 45 Resp: 199851

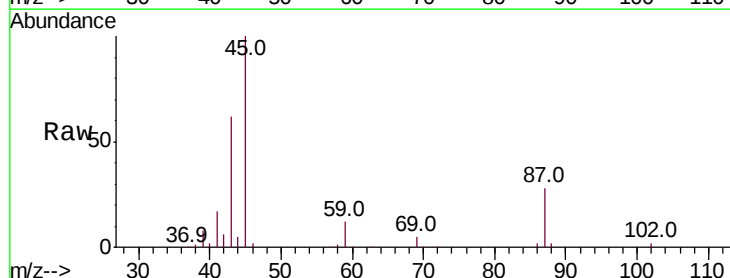
Ion Ratio Lower Upper

45 100

43 59.4 45.0 67.6

87 27.6 22.2 33.4

59 11.4 9.1 13.7

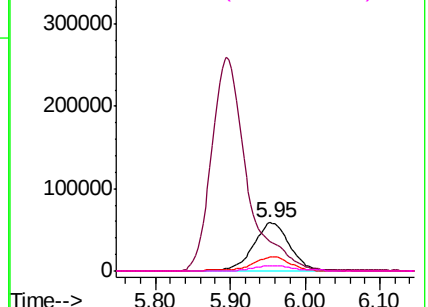
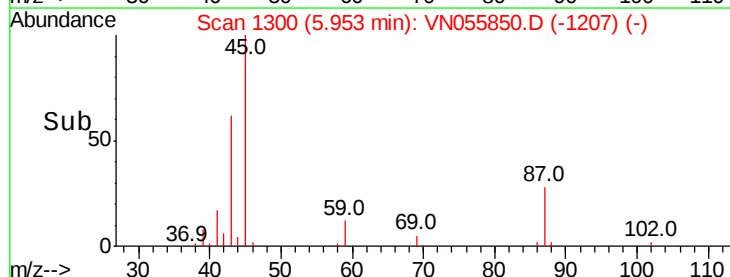


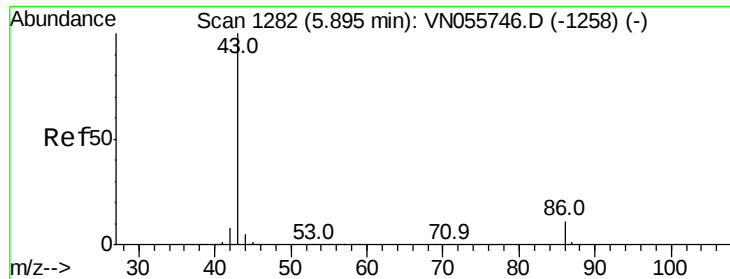
Abundance Ion 45.00 (44.70 to 45.70): VN055850.D (-1207) (-)

Ion 43.00 (42.70 to 43.70): VN055850.D (-1207) (-)

Ion 87.00 (86.70 to 87.70): VN055850.D (-1207) (-)

Ion 59.00 (58.70 to 59.70): VN055850.D (-1207) (-)





#23

Vinyl Acetate

Concen: 97.271 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampled :

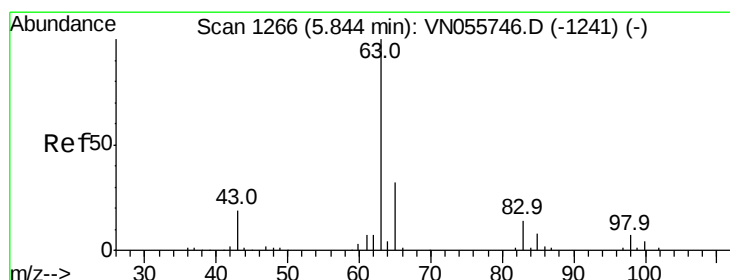
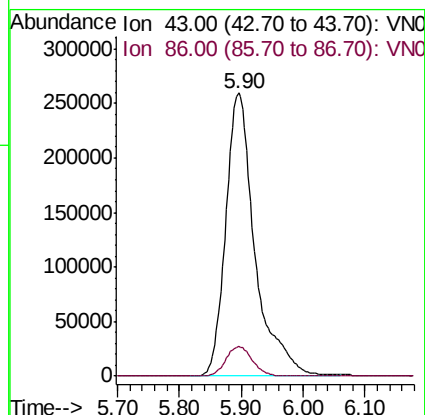
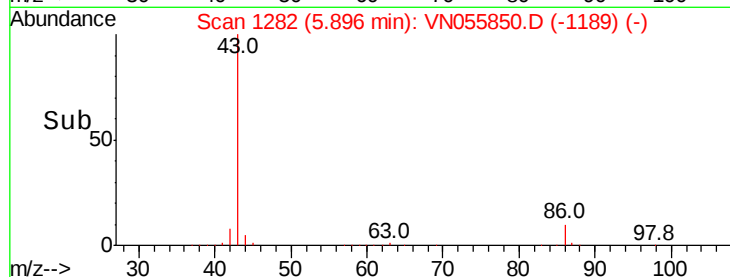
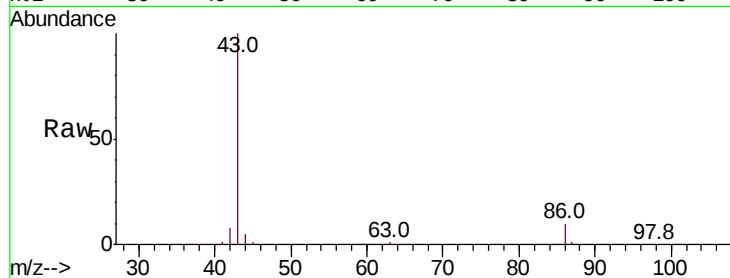
VN0528WBSD01

Tot Ion: 43 Resp: 852109

Ion Ratio Lower Upper

43 100

86 10.4 8.6 13.0



#24

1,1-Dichloroethane

Concen: 19.455 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

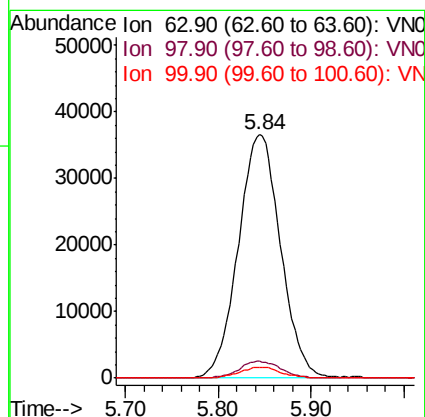
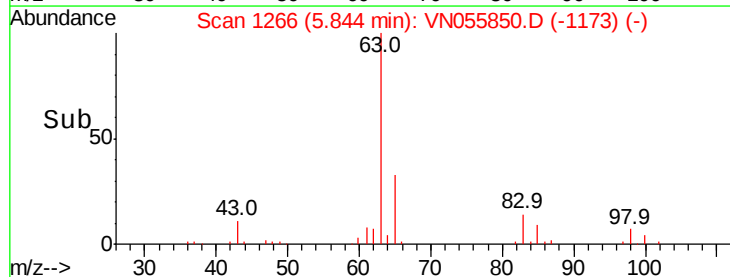
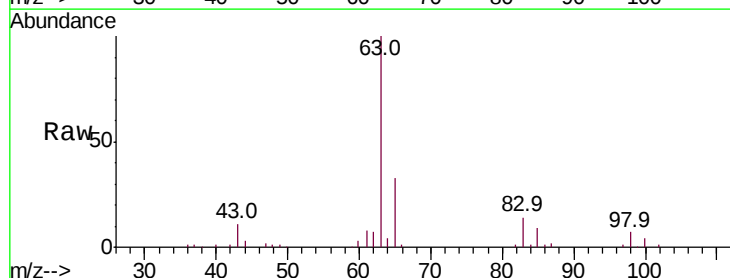
Tgt Ion: 63 Resp: 115733

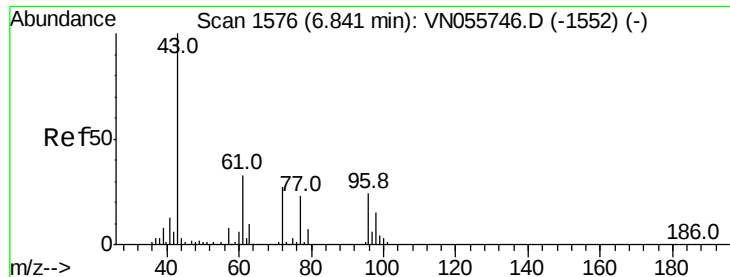
Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.1

100 4.4 2.2 6.6

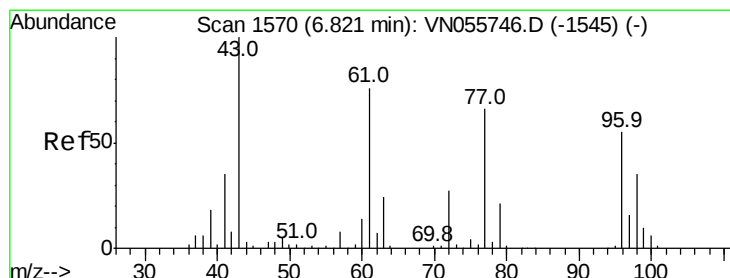
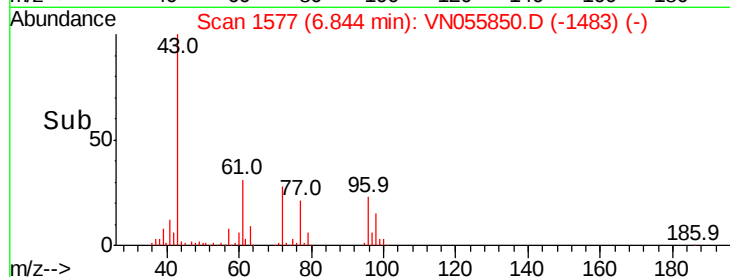
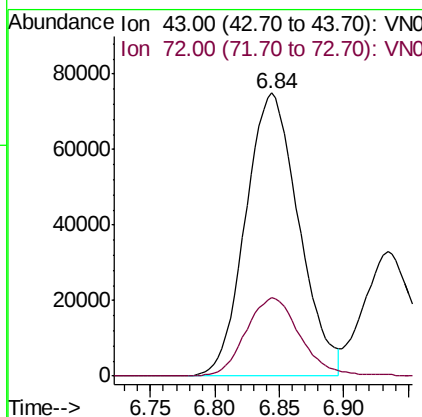
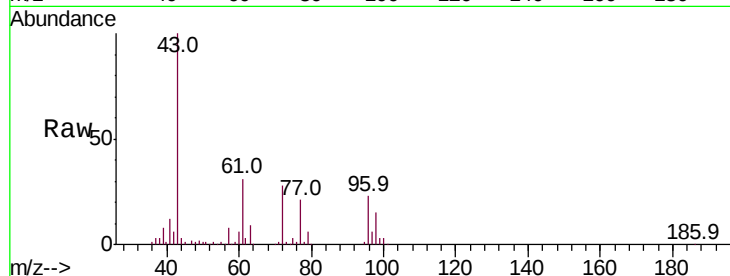




#25
2-Butanone
Concen: 93.606 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

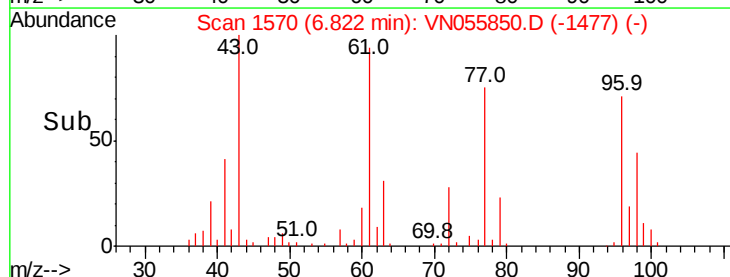
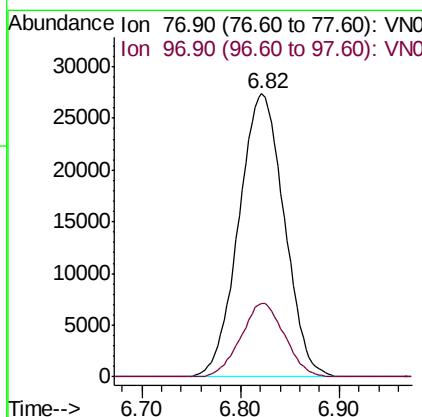
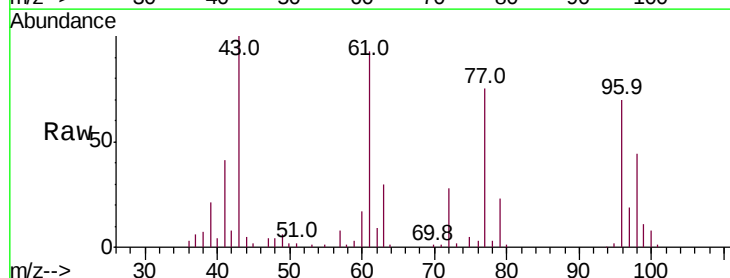
Instrument :
MSVOA_N
ClientSampleId :
VN0528WBSD01

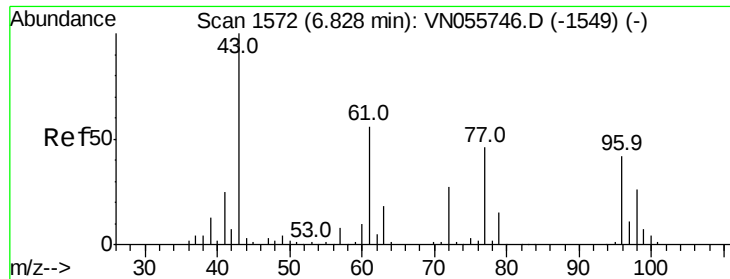
Tot Ion: 43 Resp: 213829
Ion Ratio Lower Upper
43 100
72 27.7 21.9 32.9



#26
2,2-Dichloropropane
Concen: 16.950 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

Tgt Ion: 77 Resp: 87266
Ion Ratio Lower Upper
77 100
97 25.0 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.959 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBSD01

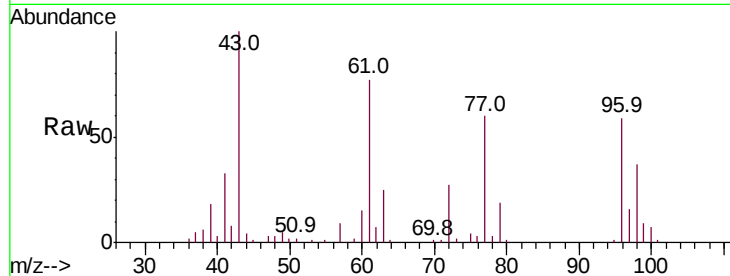
Tot Ion: 96 Resp: 76660

Ion Ratio Lower Upper

96 100

61 134.0 0.0 275.8

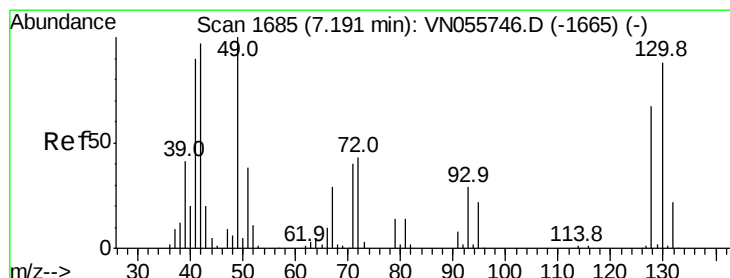
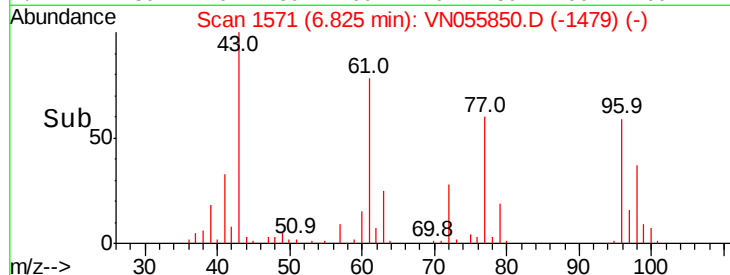
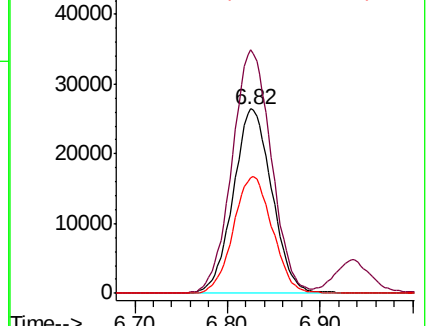
98 63.7 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 19.933 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

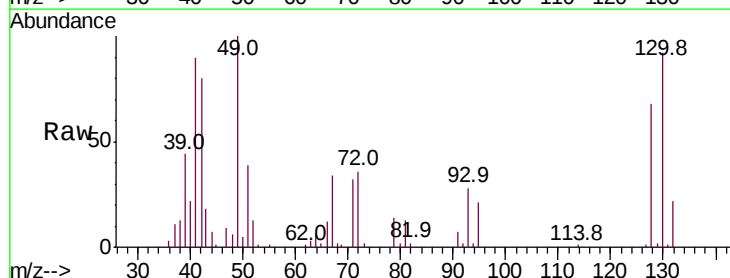
Tgt Ion: 49 Resp: 56457

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.4

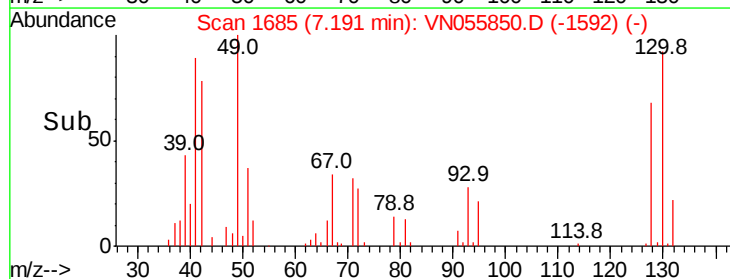
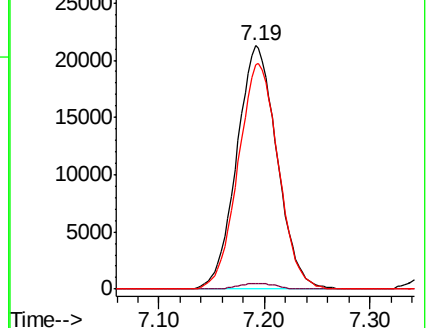
130 92.4 71.2 106.8

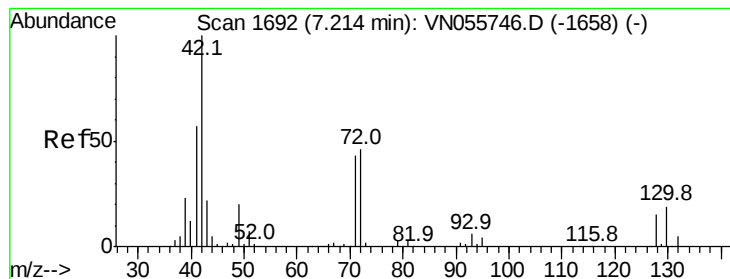


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 102.222 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampled :

VN0528WBSD01

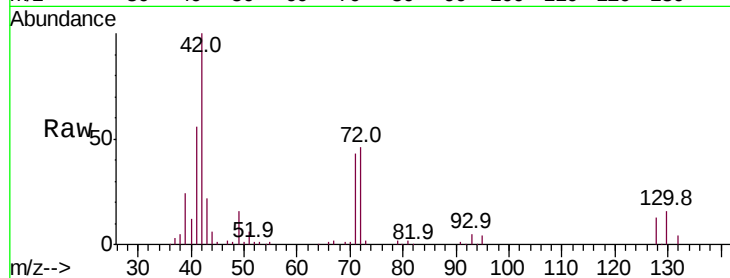
Tot Ion: 42 Resp: 147875

Ion Ratio Lower Upper

42 100

72 45.0 35.9 53.9

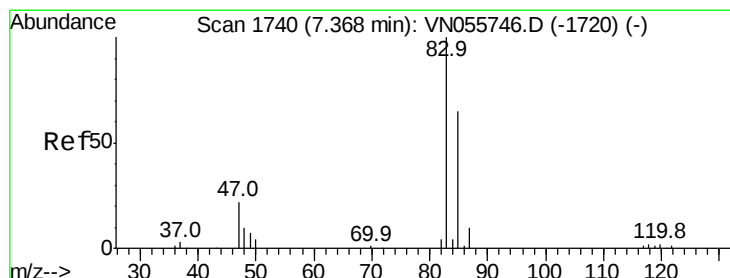
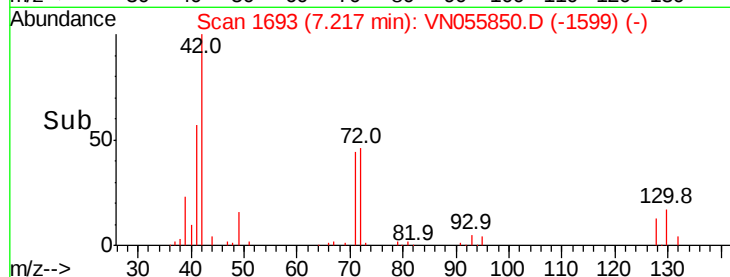
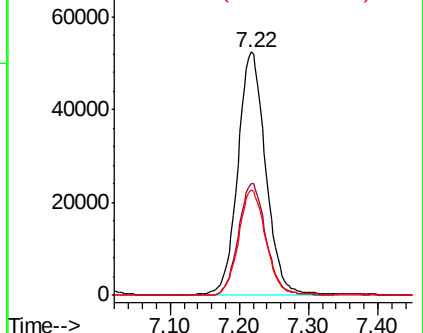
71 42.0 34.0 51.0



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 20.141 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN055850.D

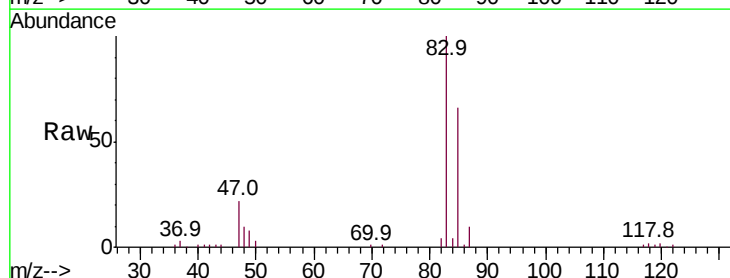
Acq: 28 May 2019 14:06

Tgt Ion: 83 Resp: 119491

Ion Ratio Lower Upper

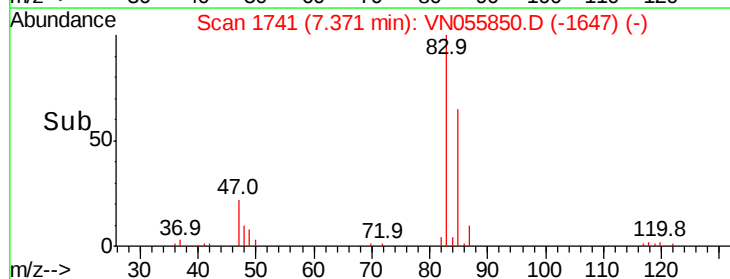
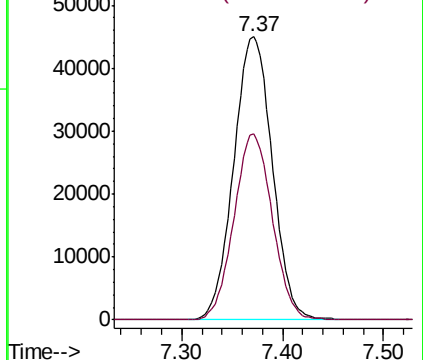
83 100

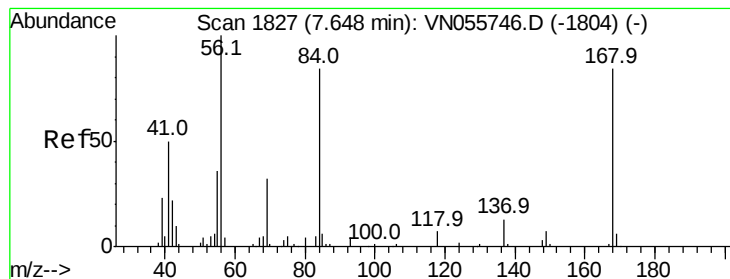
85 65.7 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.529 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBSD01

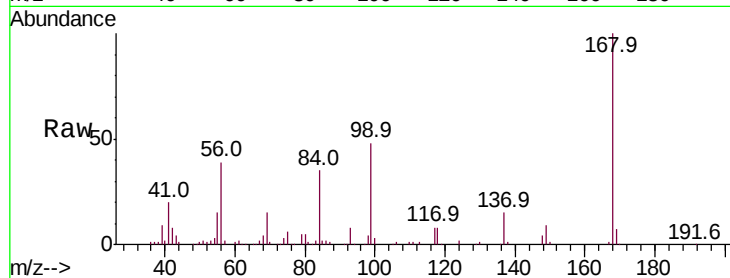
Tot Ion: 56 Resp: 109070

Ion Ratio Lower Upper

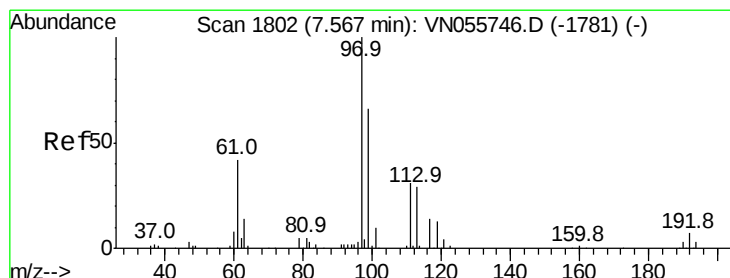
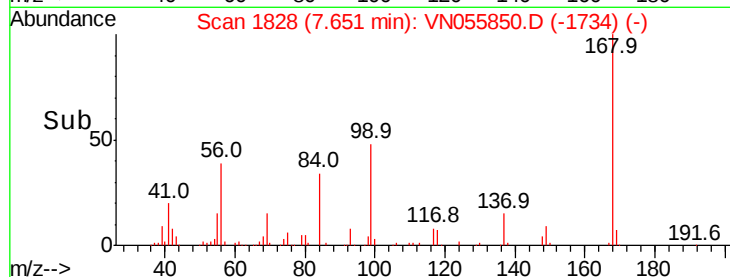
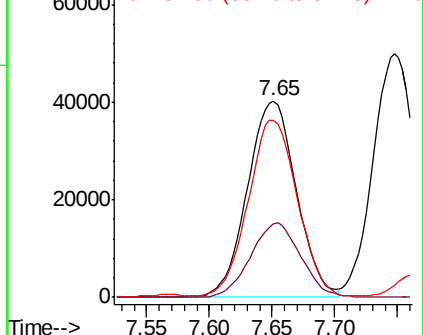
56 100

69 37.3 25.6 38.4

84 89.1 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 19.707 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

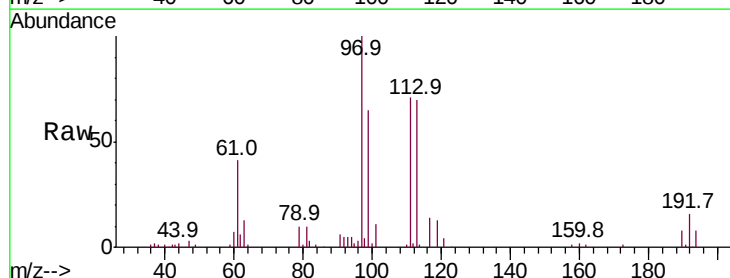
Tgt Ion: 97 Resp: 104332

Ion Ratio Lower Upper

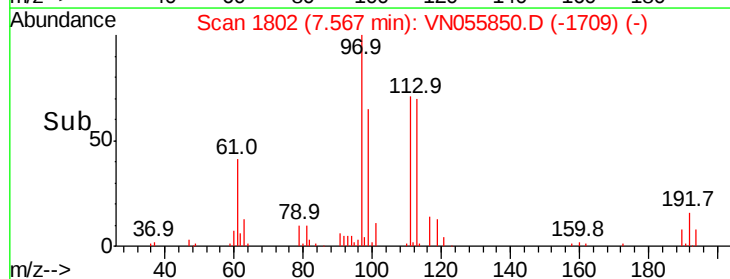
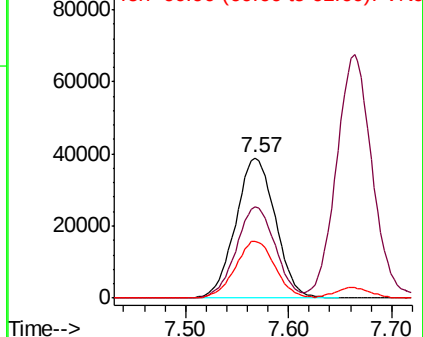
97 100

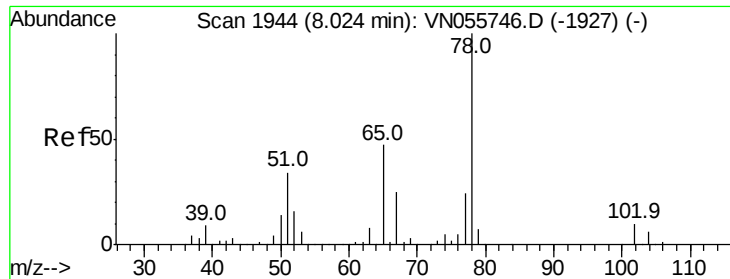
99 64.1 52.0 78.0

61 40.5 32.9 49.3



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO

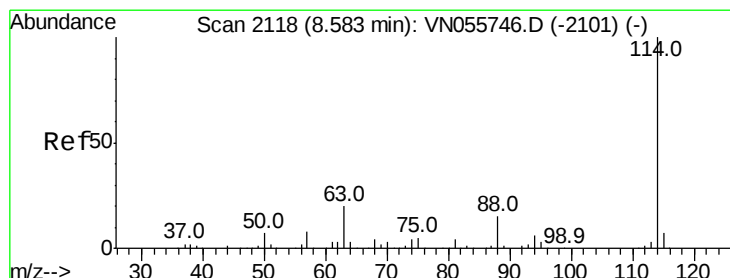
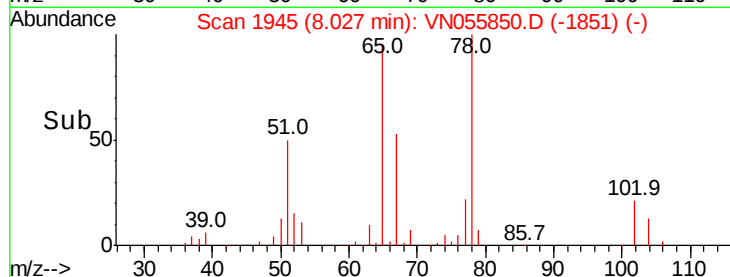
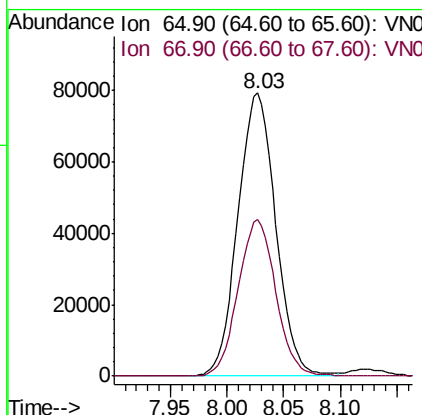
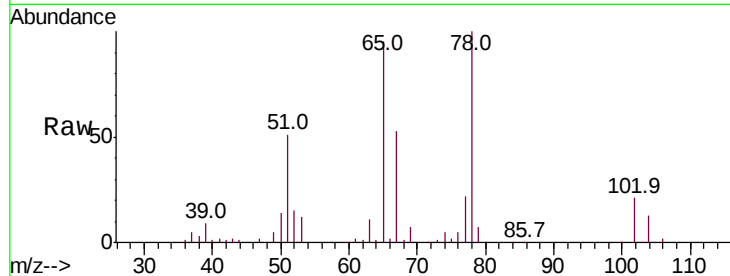




#33
 1,2-Dichloroethane-d4
 Concen: 49.732 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055850.D
 Acq: 28 May 2019 14:06

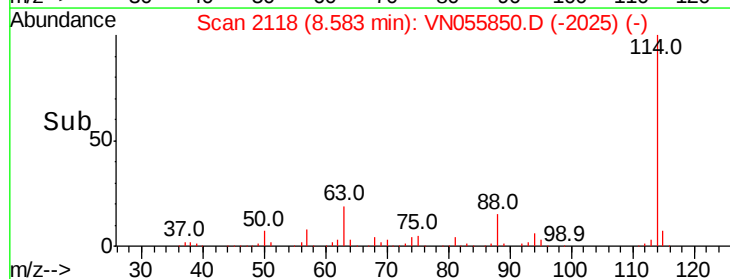
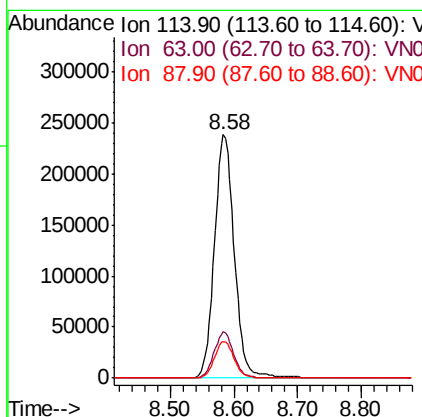
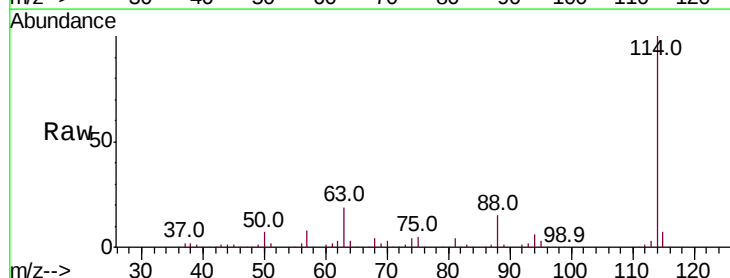
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBSD01

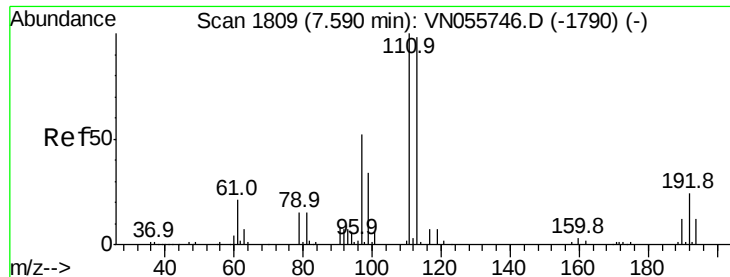
Tot Ion: 65 Resp: 185054
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055850.D
 Acq: 28 May 2019 14:06

Tgt Ion: 114 Resp: 518238
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.2
 88 15.0 0.0 31.0

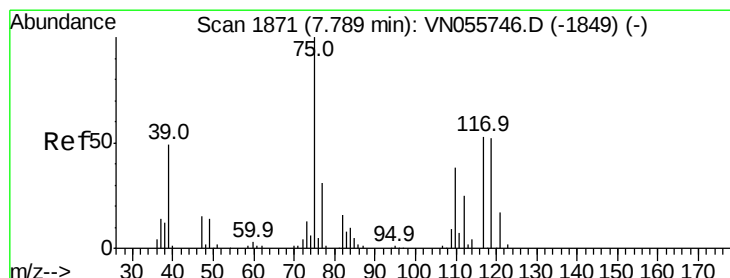
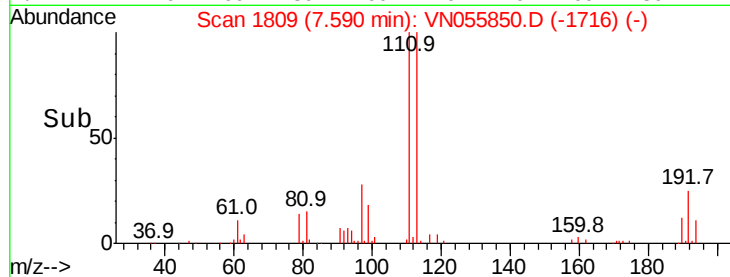
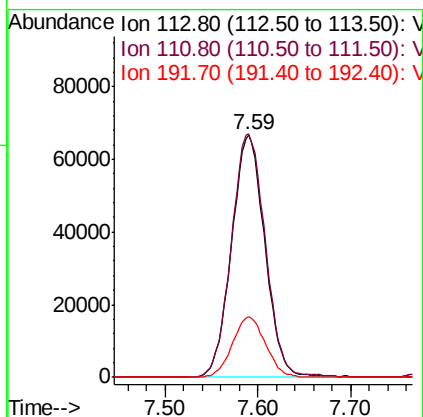
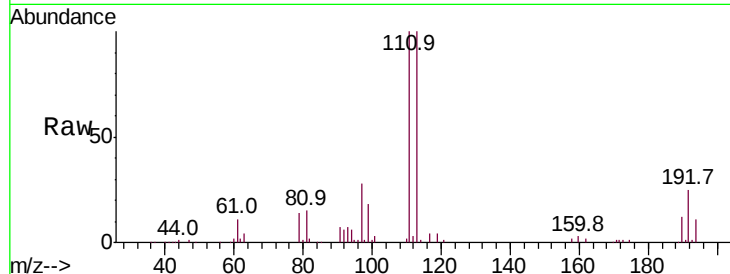




#35
 Dibromofluoromethane
 Concen: 50.746 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055850.D
 Acq: 28 May 2019 14:06

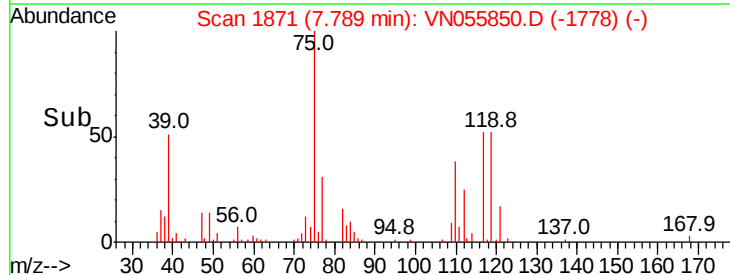
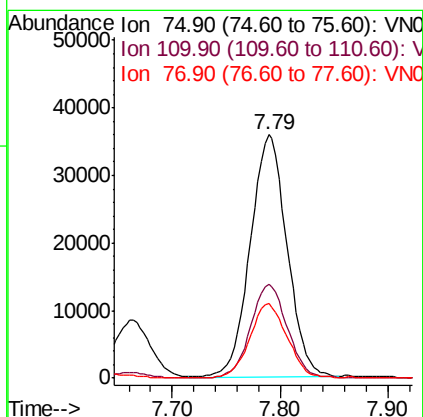
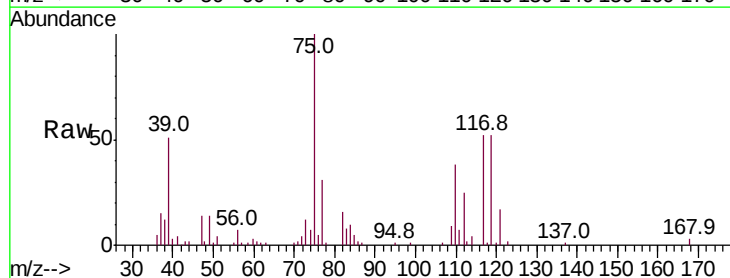
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBSD01

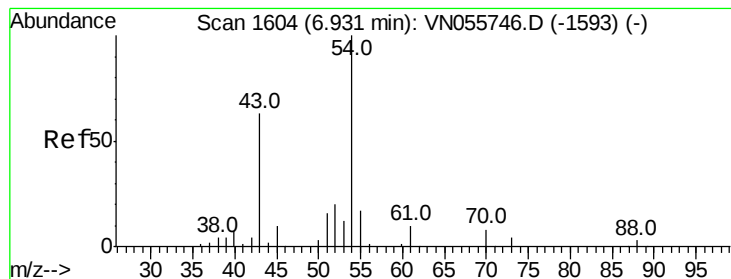
Tot Ion:113 Resp: 166269
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.9 122.9
 192 24.8 19.5 29.3



#36
 1,1-Dichloropropene
 Concen: 18.769 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055850.D
 Acq: 28 May 2019 14:06

Tgt Ion: 75 Resp: 84764
 Ion Ratio Lower Upper
 75 100
 110 38.6 19.0 57.0
 77 31.3 25.1 37.7





#37

Ethyl Acetate

Concen: 20.607 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampleID :

VN0528WBSD01

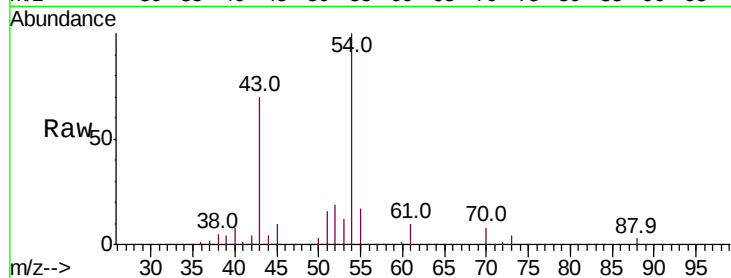
Tot Ion: 43 Resp: 89948

Ion Ratio Lower Upper

43 100

61 13.7 12.2 18.2

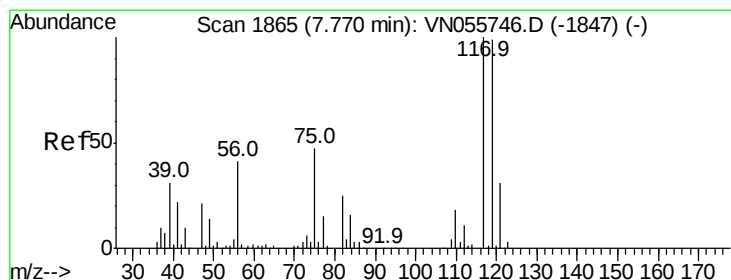
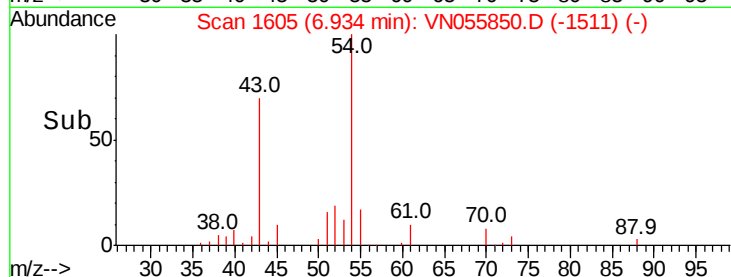
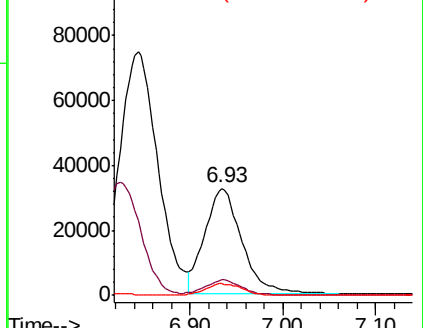
70 10.8 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-1593) (-)

Ion 60.90 (60.60 to 61.60): VN055746.D (-1593) (-)

Ion 70.00 (69.70 to 70.70): VN055746.D (-1593) (-)



#38

Carbon Tetrachloride

Concen: 18.692 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

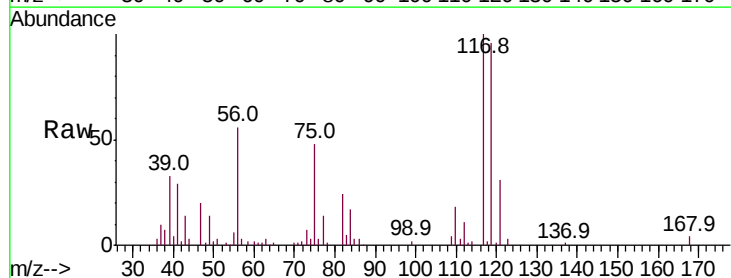
Tgt Ion: 117 Resp: 87930

Ion Ratio Lower Upper

117 100

119 96.8 79.0 118.6

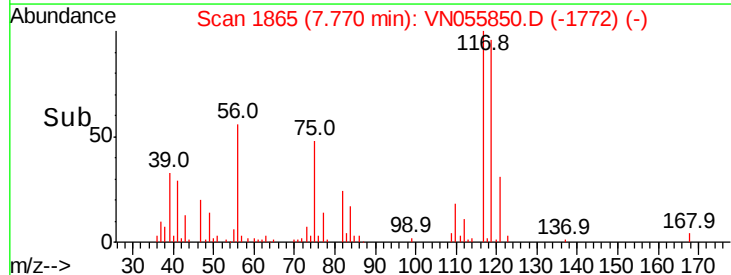
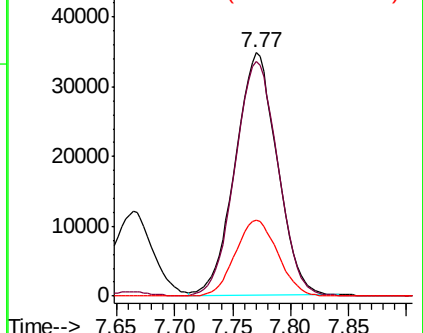
121 31.5 24.7 37.1

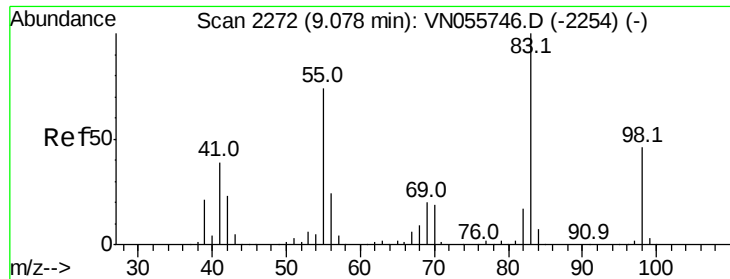


Abundance Ion 116.80 (116.50 to 117.50): VN055746.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN055746.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN055746.D (-1847) (-)

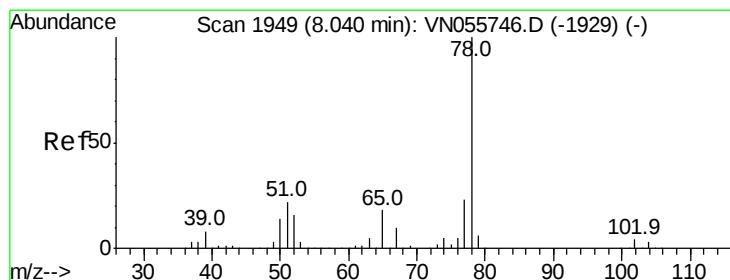
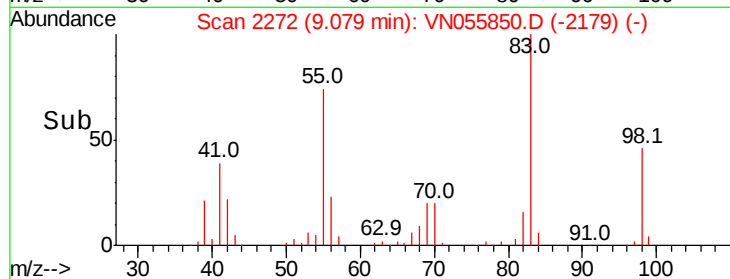
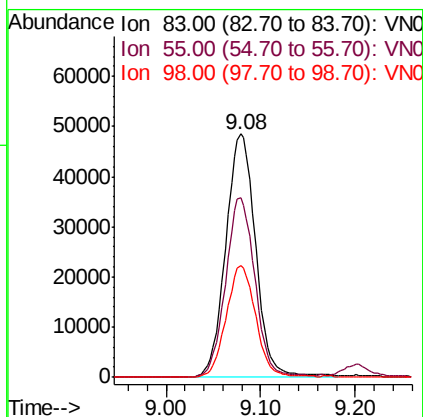
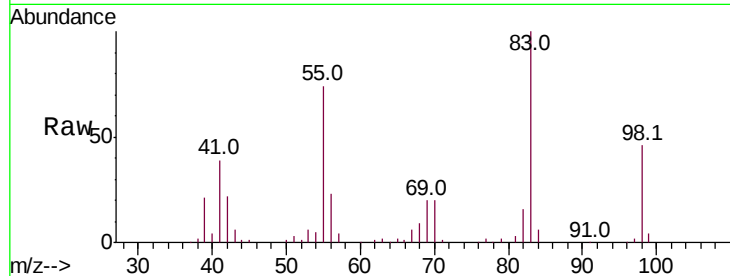




#39
Methvlcvclohexane
Concen: 19.092 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

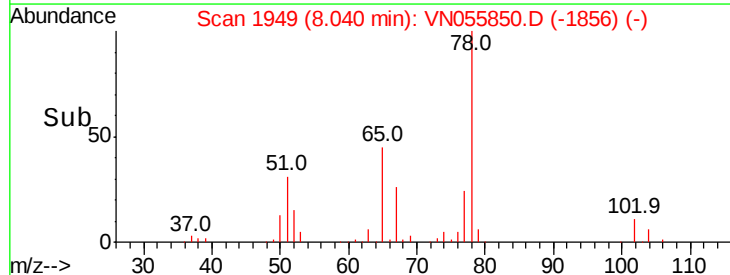
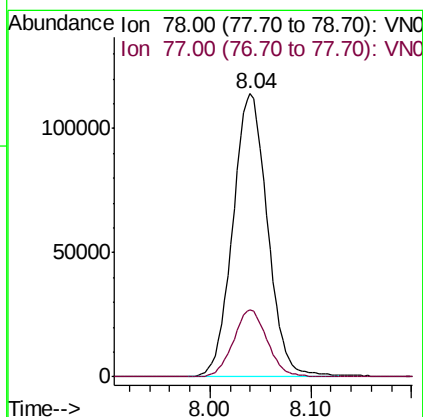
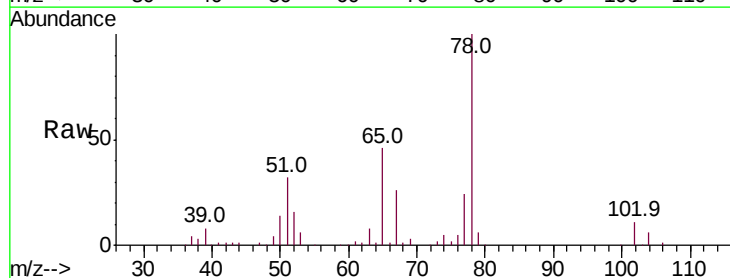
Instrument :
MSVOA_N
ClientSampleId :
VN0528WBSD01

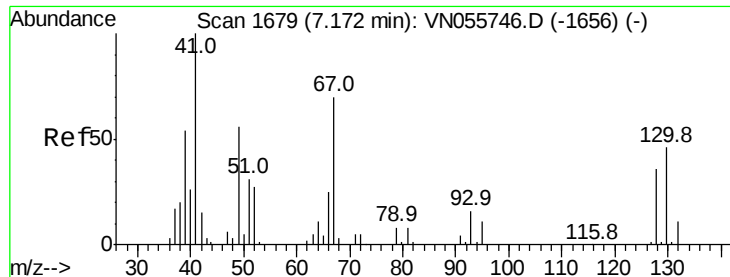
Tot Ion: 83 Resp: 106773
Ion Ratio Lower Upper
83 100
55 73.9 59.3 88.9
98 46.1 36.6 54.8



#40
Benzene
Concen: 19.975 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

Tgt Ion: 78 Resp: 271877
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2

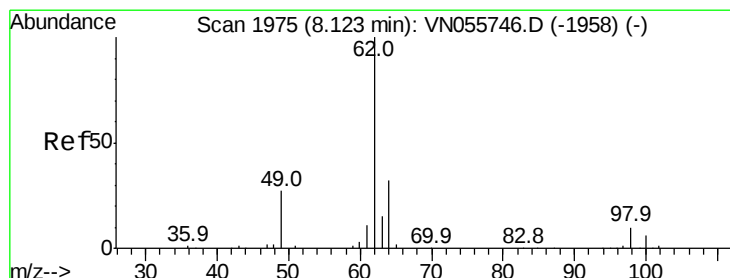
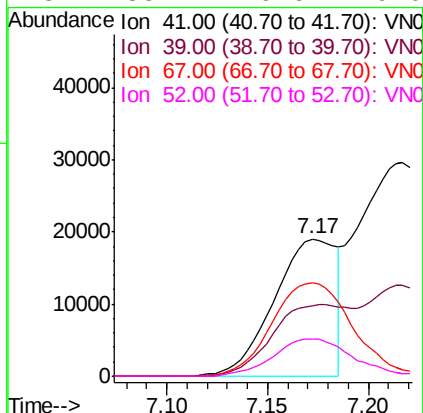
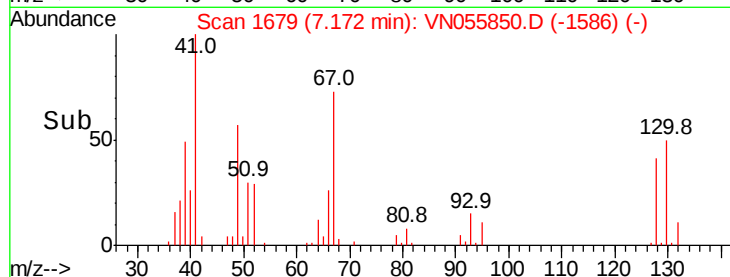
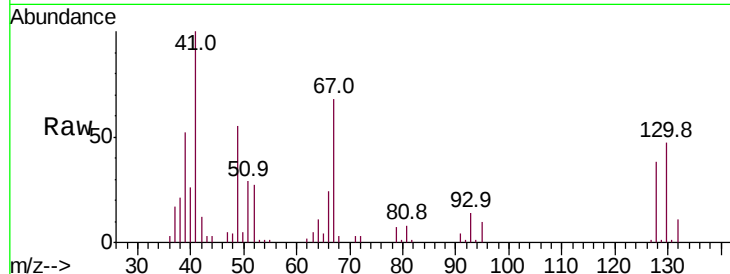




#41
Methacrylonitrile
Concen: 18.479 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

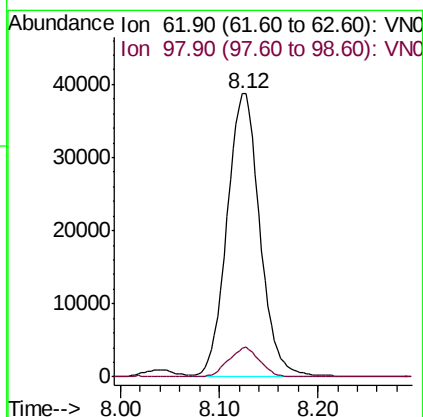
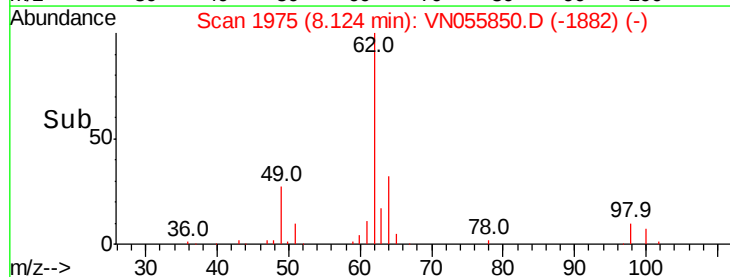
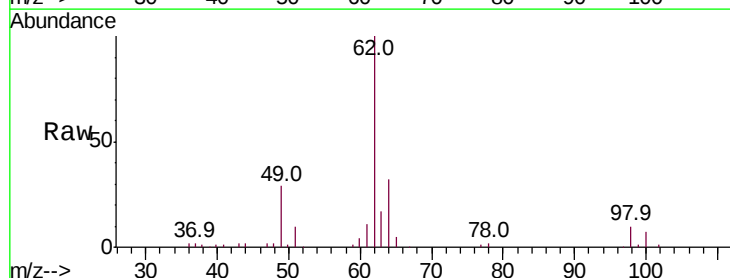
Instrument :
MSVOA_N
ClientSampleId :
VN0528WBSD01

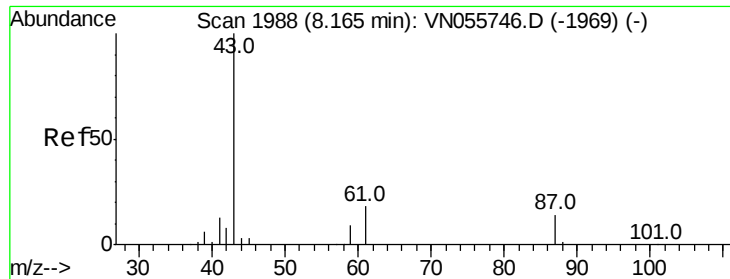
Tot Ion: 41 Resp: 40749
Ion Ratio Lower Upper
41 100
39 67.9 45.6 68.4
67 89.3 67.7 101.5
52 35.2 26.6 40.0



#42
1,2-Dichloroethane
Concen: 20.281 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

Tgt Ion: 62 Resp: 90200
Ion Ratio Lower Upper
62 100
98 9.8 0.0 20.2





#43

Isopropyl Acetate

Concen: 19.428 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBSD01

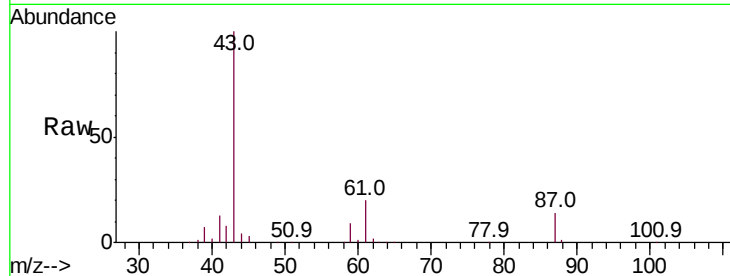
Tot Ion: 43 Resp: 142482

Ion Ratio Lower Upper

43 100

61 27.7 22.2 33.4

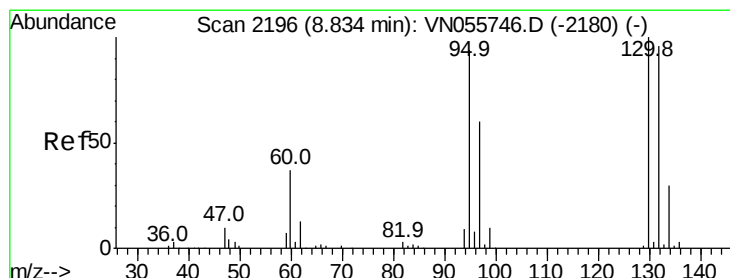
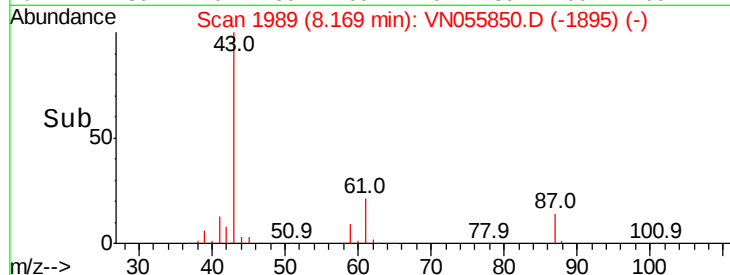
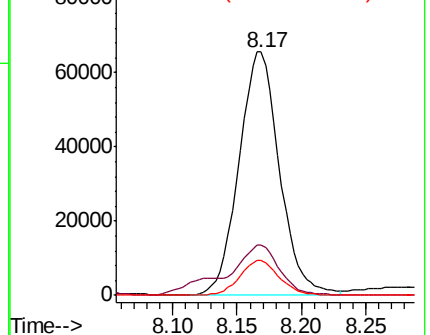
87 14.2 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN055746.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN055746.D (-1969) (-)



#44

Trichloroethene

Concen: 20.442 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055850.D

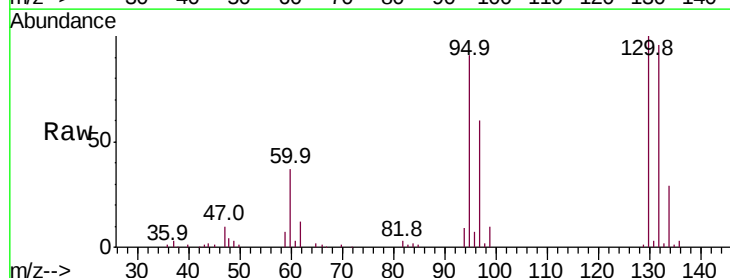
Acq: 28 May 2019 14:06

Tgt Ion: 130 Resp: 77566

Ion Ratio Lower Upper

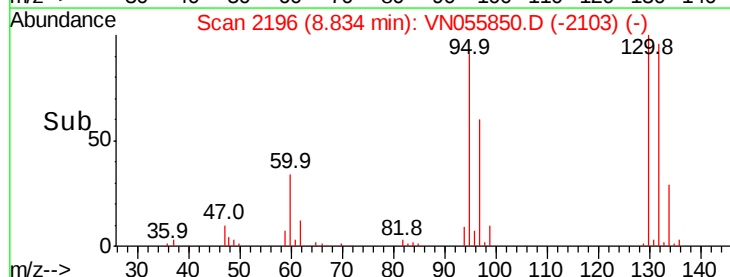
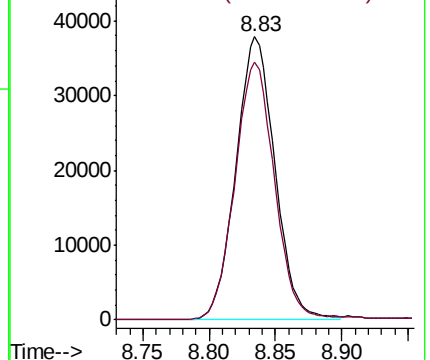
130 100

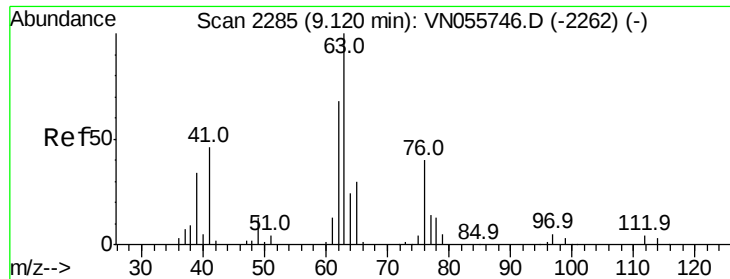
95 91.2 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055746.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN055746.D (-2180) (-)





#45

1,2-Dichloropropane

Concen: 19.832 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

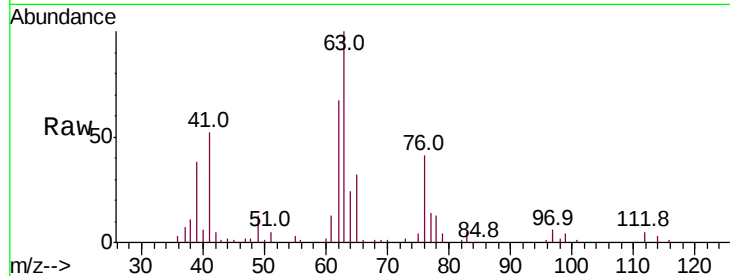
VN0528WBSD01

Tot Ion: 63 Resp: 70330

Ion Ratio Lower Upper

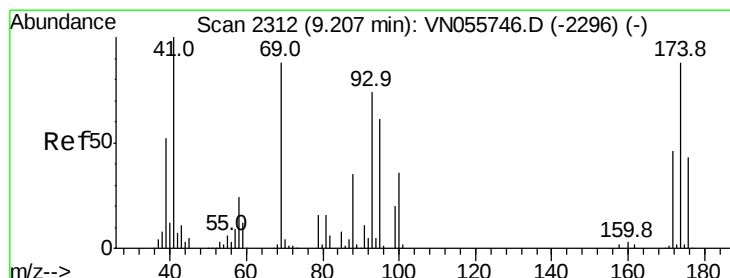
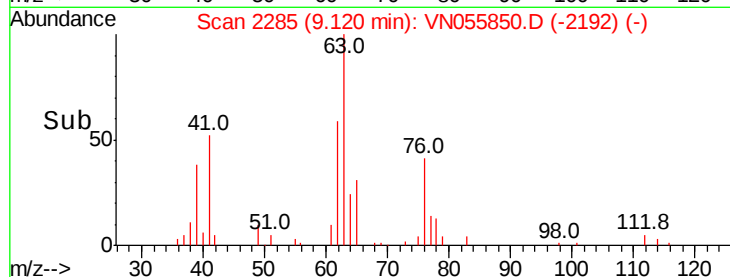
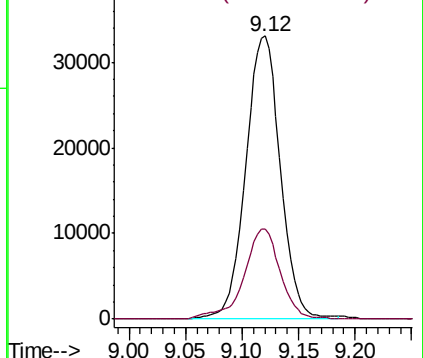
63 100

65 32.1 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.362 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

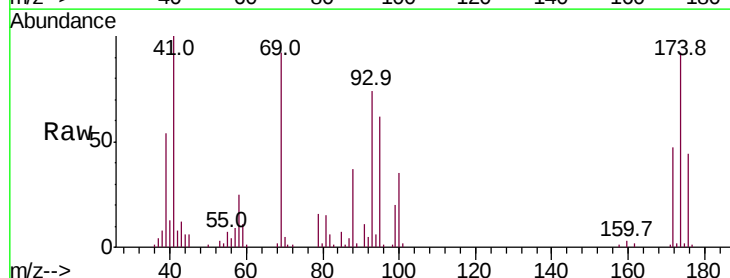
Tgt Ion: 93 Resp: 47355

Ion Ratio Lower Upper

93 100

95 82.7 66.7 100.1

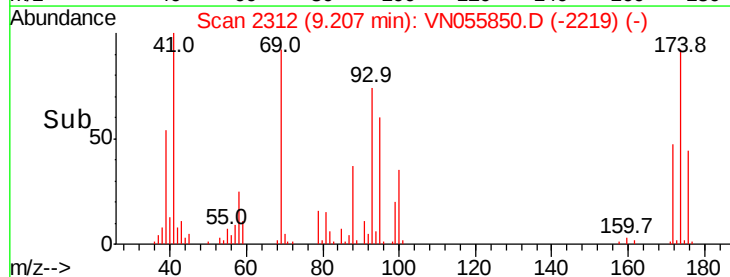
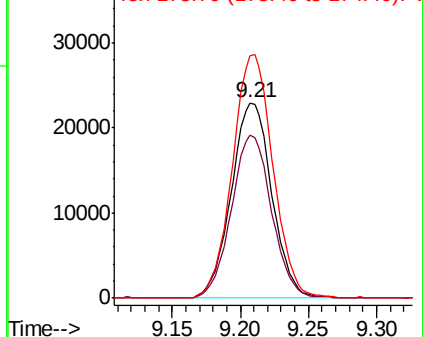
174 124.7 96.4 144.6

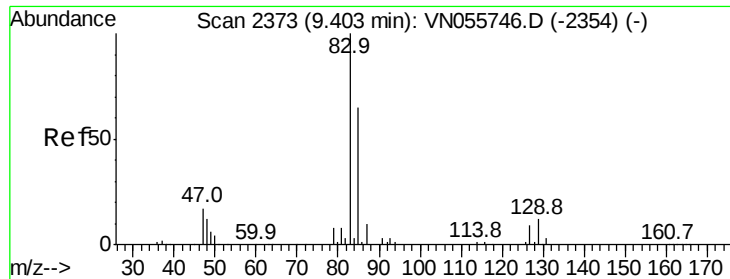


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.409 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBSD01

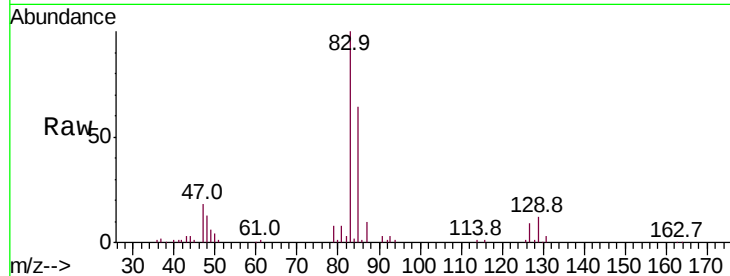
Tot Ion: 83 Resp: 92558

Ion Ratio Lower Upper

83 100

85 64.0 52.2 78.2

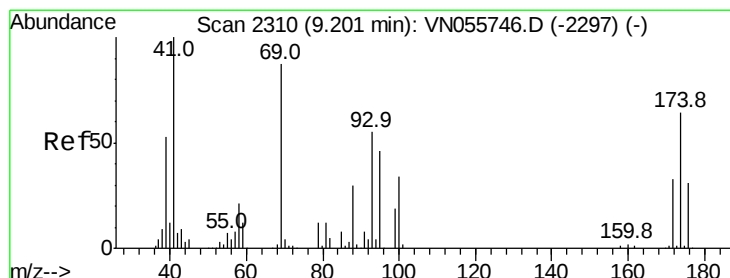
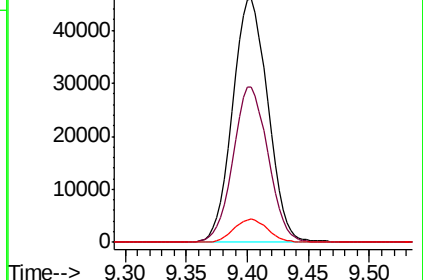
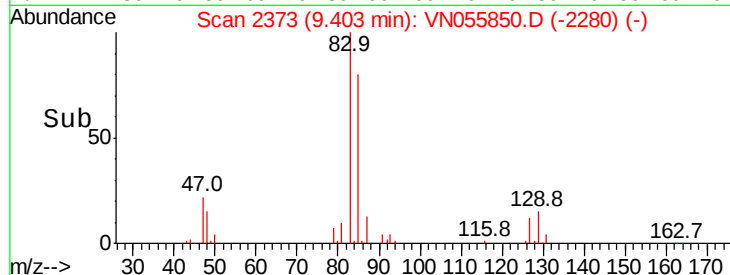
127 9.5 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN055850.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055850.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055850.D (-2280) (-)



#48

Methyl methacrylate

Concen: 19.766 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

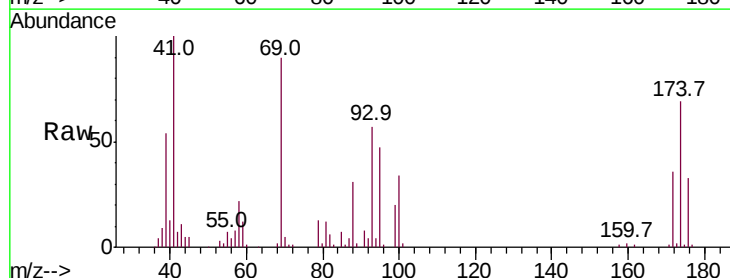
Tgt Ion: 41 Resp: 66810

Ion Ratio Lower Upper

41 100

69 94.4 71.0 106.6

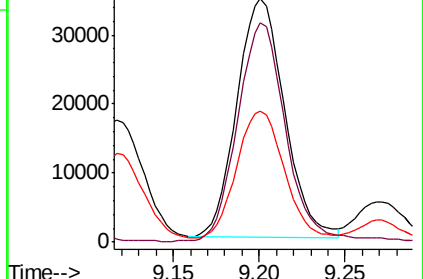
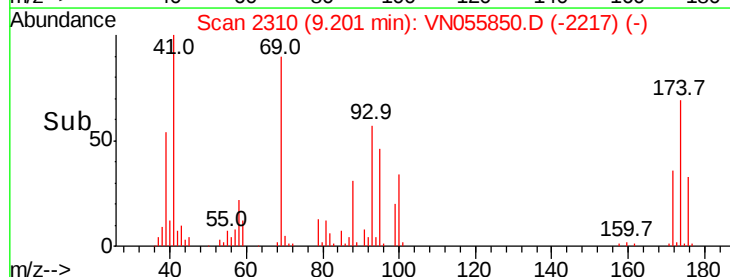
39 56.0 44.2 66.2

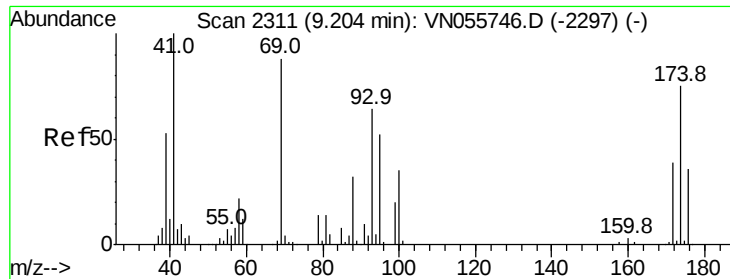


Abundance Ion 41.00 (40.70 to 41.70): VN055850.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055850.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055850.D (-2217) (-)





#49

1,4-Dioxane

Concen: 400.831 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBSD01

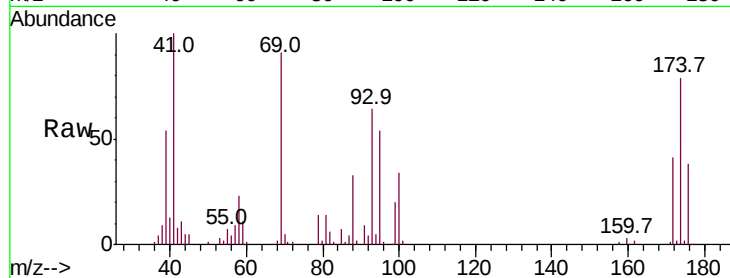
Tot Ion: 88 Resp: 28154

Ion Ratio Lower Upper

88 100

43 25.7 20.5 30.7

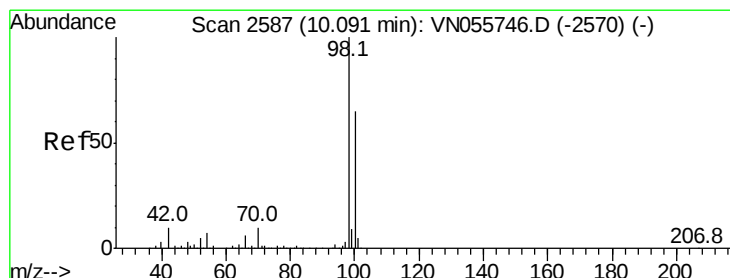
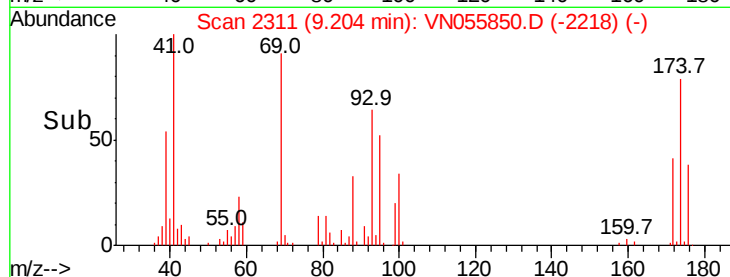
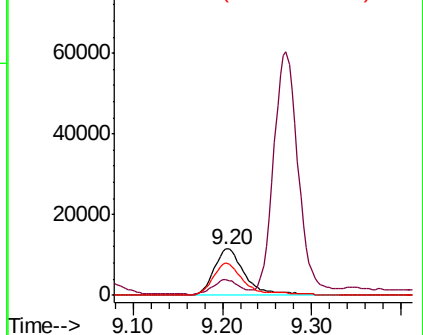
58 63.2 55.8 83.6



Abundance Ion 88.00 (87.70 to 88.70): VN055850.D (-2218) (-)

Ion 43.00 (42.70 to 43.70): VN055850.D (-2218) (-)

Ion 58.00 (57.70 to 58.70): VN055850.D (-2218) (-)



#50

Toluene-d8

Concen: 49.437 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055850.D

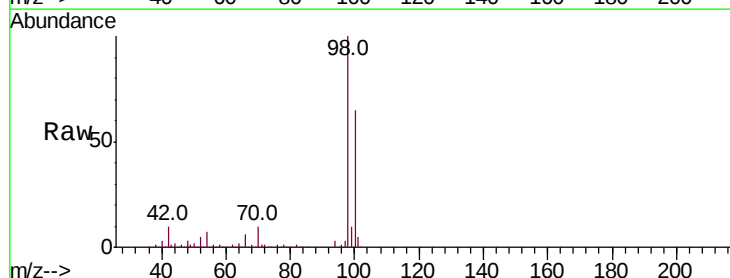
Acq: 28 May 2019 14:06

Tgt Ion: 98 Resp: 621331

Ion Ratio Lower Upper

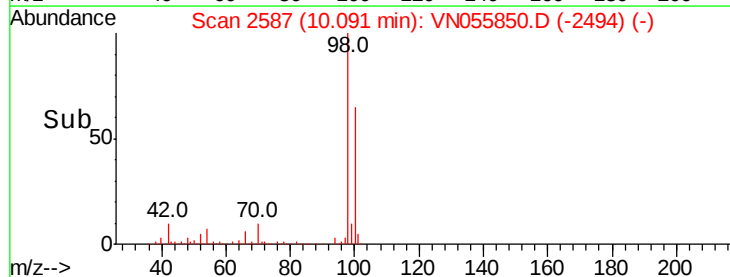
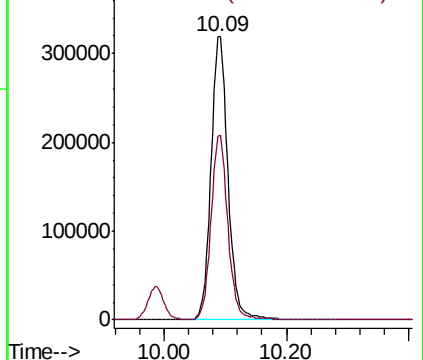
98 100

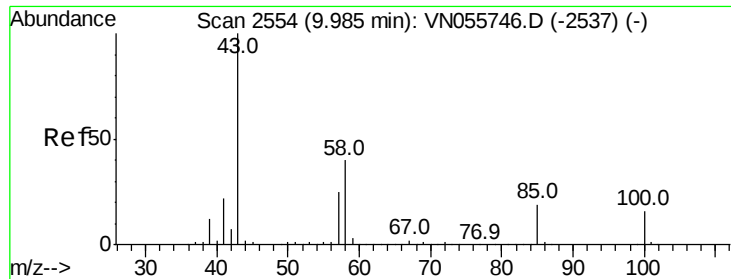
100 64.4 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055850.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN055850.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 99.810 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampled :

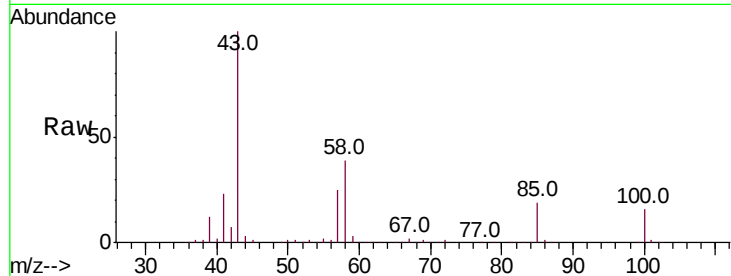
VN0528WBSD01

Tot Ion: 43 Resp: 432315

Ion Ratio Lower Upper

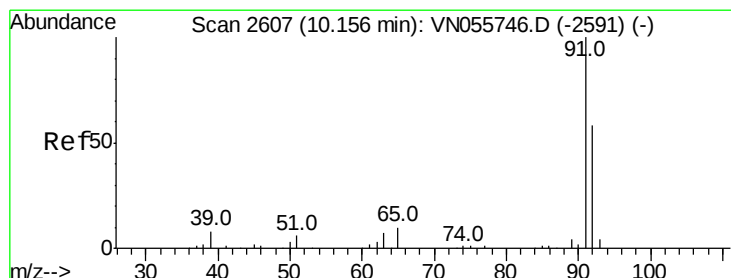
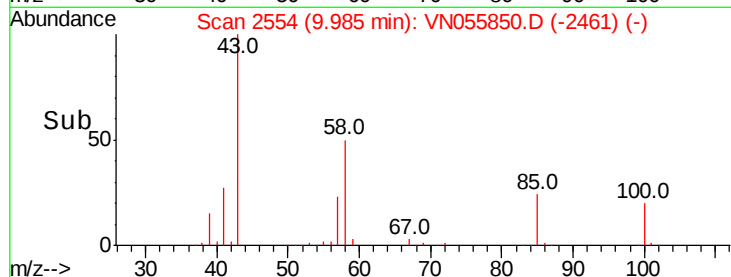
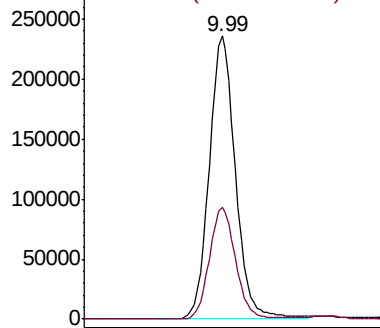
43 100

58 39.6 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.250 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055850.D

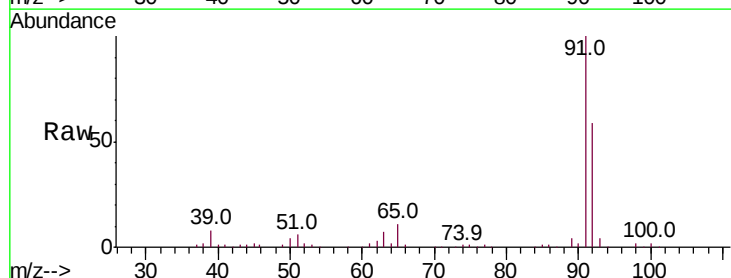
Acq: 28 May 2019 14:06

Tgt Ion: 92 Resp: 173345

Ion Ratio Lower Upper

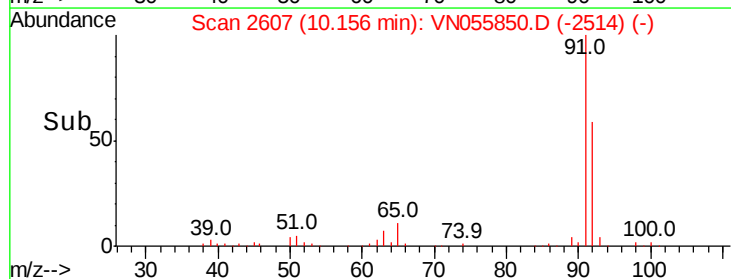
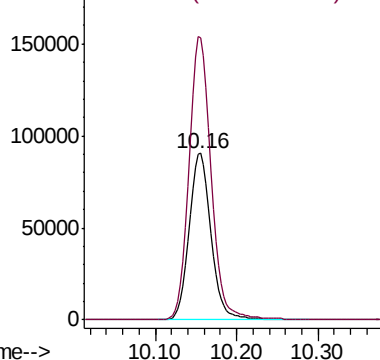
92 100

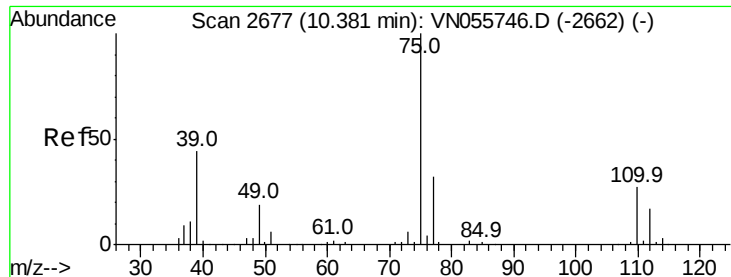
91 171.3 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 18.337 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

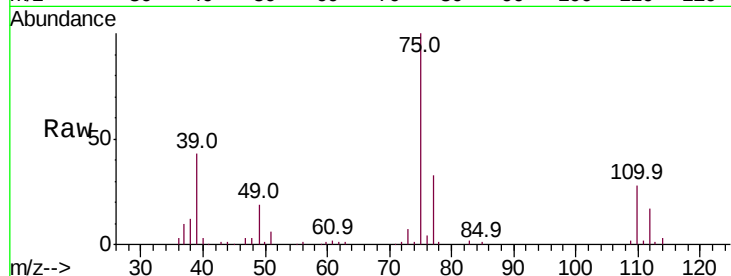
VN0528WBSD01

Tot Ion: 75 Resp: 93342

Ion Ratio Lower Upper

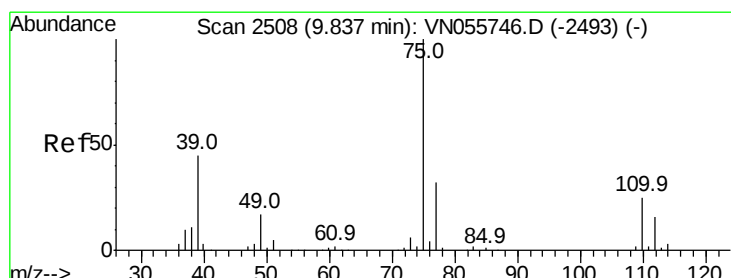
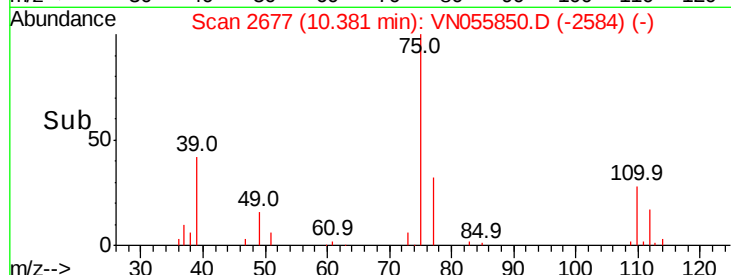
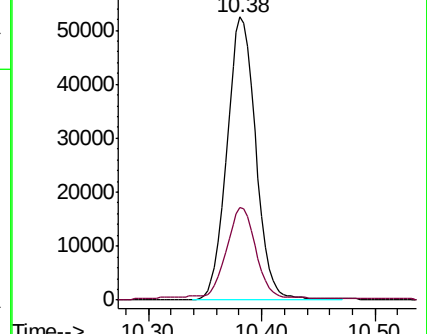
75 100

77 32.0 25.8 38.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.185 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

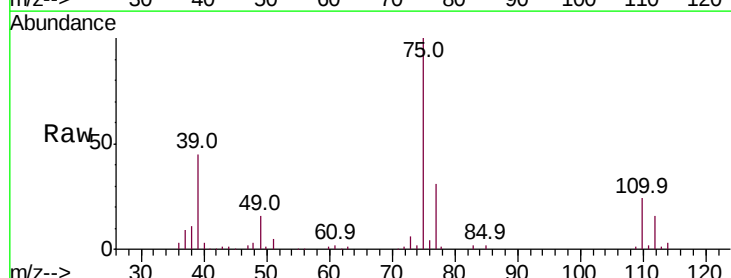
Tgt Ion: 75 Resp: 108190

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0

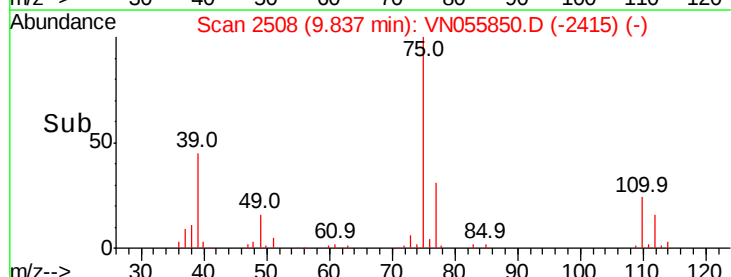
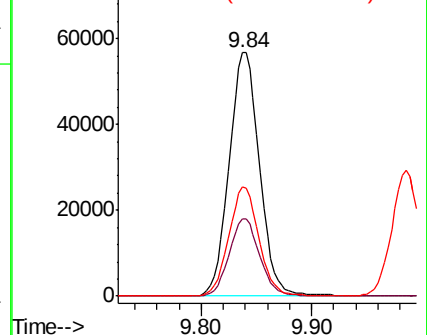
39 44.9 36.3 54.5

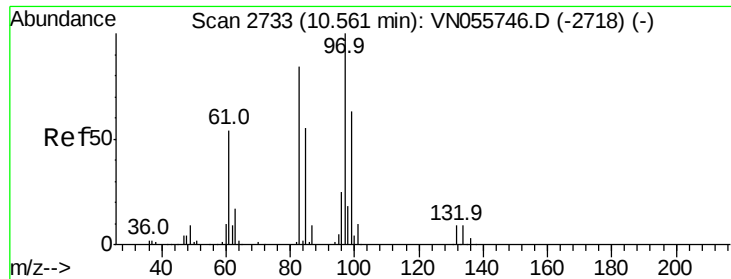


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 20.468 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBSD01

Tot Ion: 97 Resp: 70193

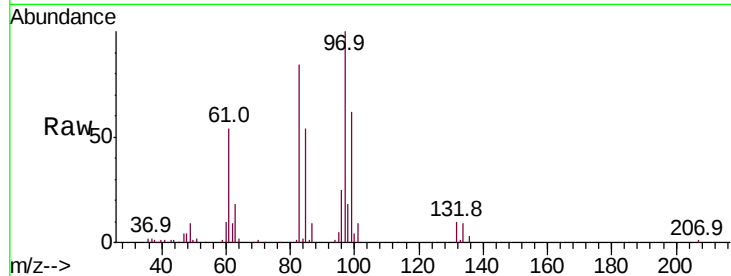
Ion Ratio Lower Upper

97 100

83 83.6 67.0 100.6

85 53.6 44.0 66.0

99 62.3 50.6 75.8

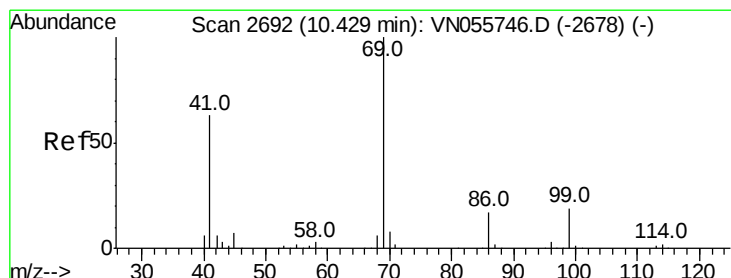
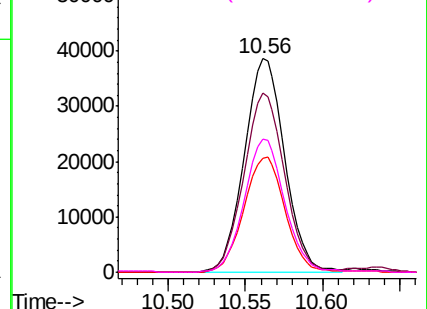
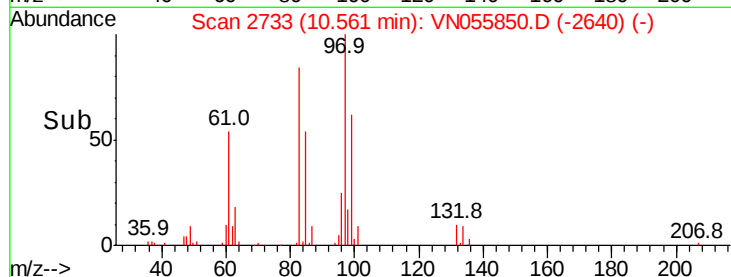


Abundance Ion 96.90 (96.60 to 97.60): VN055850.D (-2640) (-)

Ion 82.90 (82.60 to 83.60): VN055850.D (-2640) (-)

Ion 84.90 (84.60 to 85.60): VN055850.D (-2640) (-)

Ion 98.90 (98.60 to 99.60): VN055850.D (-2640) (-)



#56

Ethyl methacrylate

Concen: 19.293 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

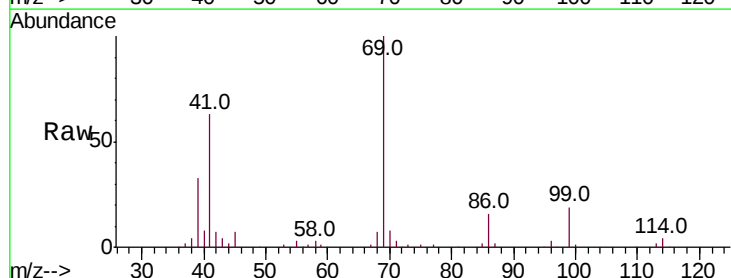
Tgt Ion: 69 Resp: 102252

Ion Ratio Lower Upper

69 100

41 64.6 49.7 74.5

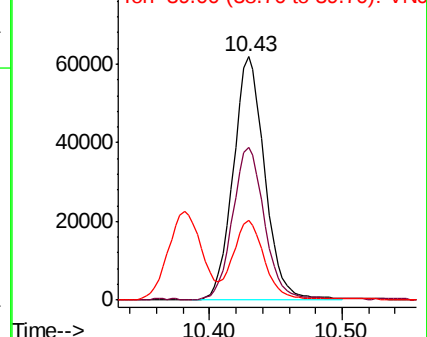
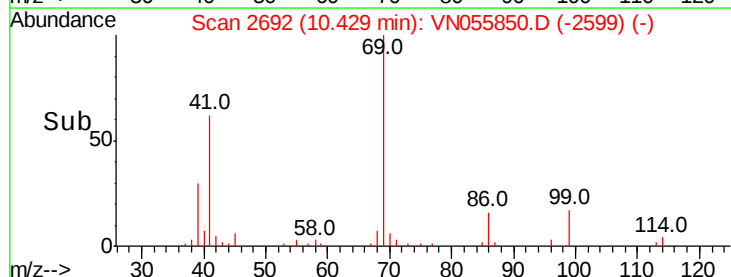
39 31.8 24.7 37.1

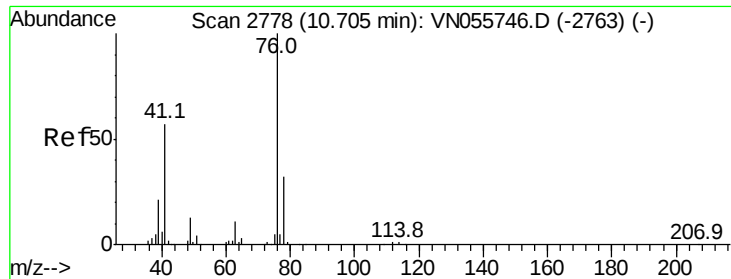


Abundance Ion 69.00 (68.70 to 69.70): VN055850.D (-2599) (-)

Ion 41.00 (40.70 to 41.70): VN055850.D (-2599) (-)

Ion 39.00 (38.70 to 39.70): VN055850.D (-2599) (-)

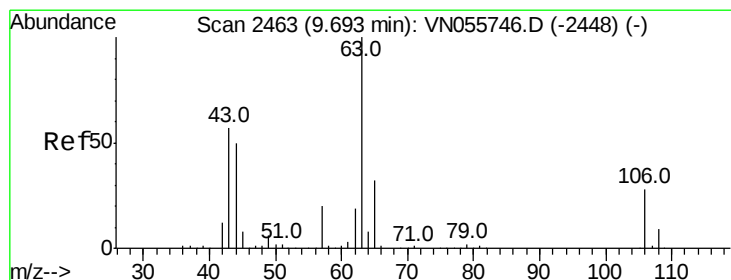
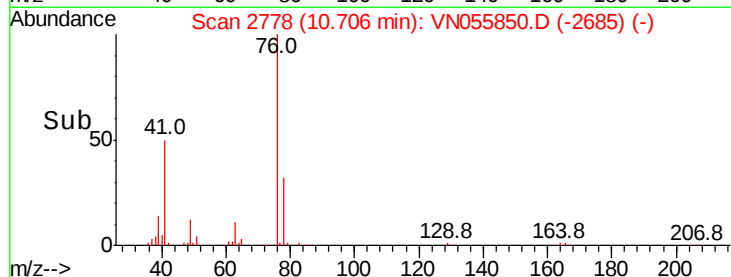
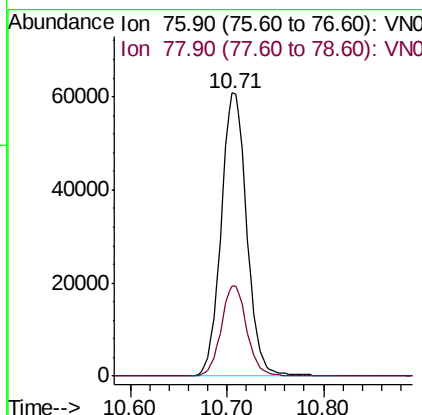
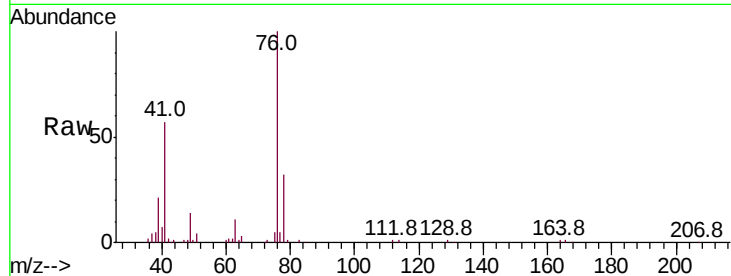




#57
 1,3-Dichloropropane
 Concen: 20.101 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055850.D
 Acq: 28 May 2019 14:06

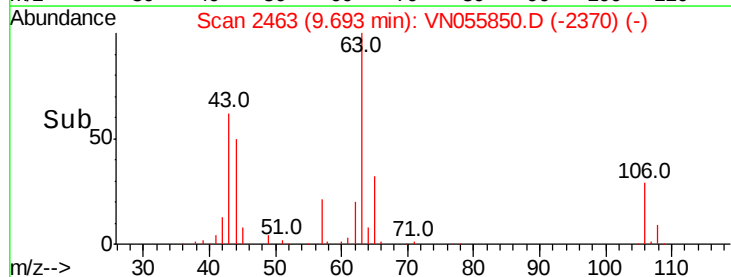
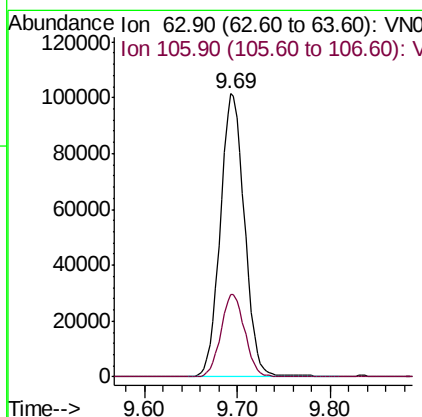
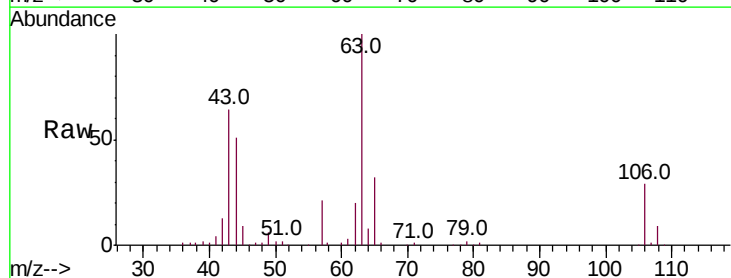
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBSD01

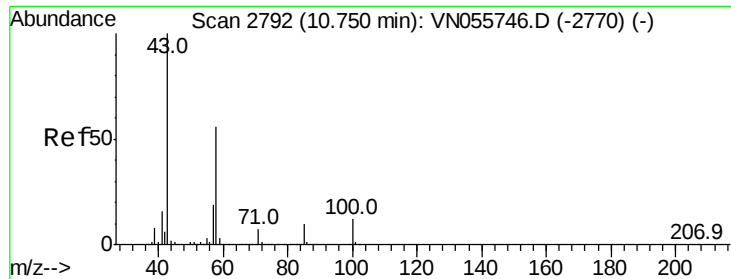
Tot Ion: 76 Resp: 112049
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.833 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN055850.D
 Acq: 28 May 2019 14:06

Tgt Ion: 63 Resp: 183977
 Ion Ratio Lower Upper
 63 100
 106 28.7 22.7 34.1





#59

2-Hexanone

Concen: 94.796 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

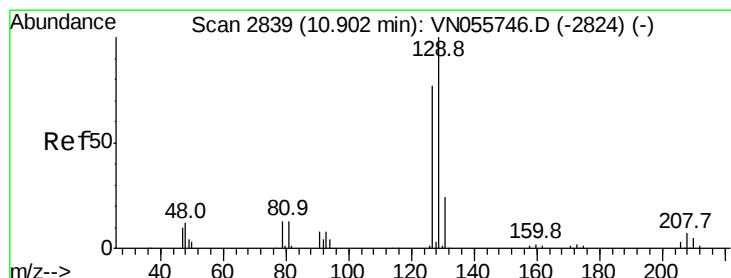
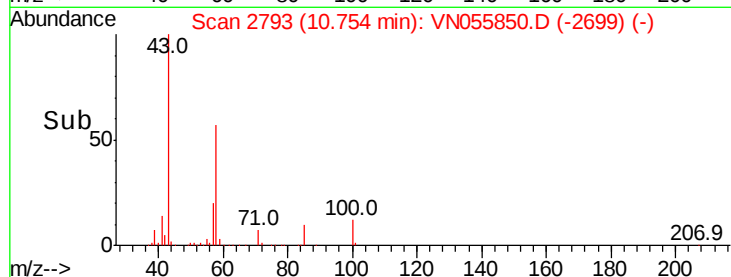
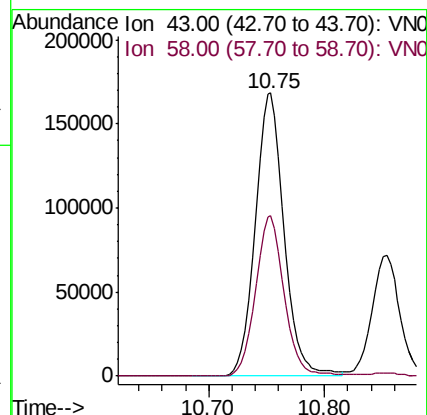
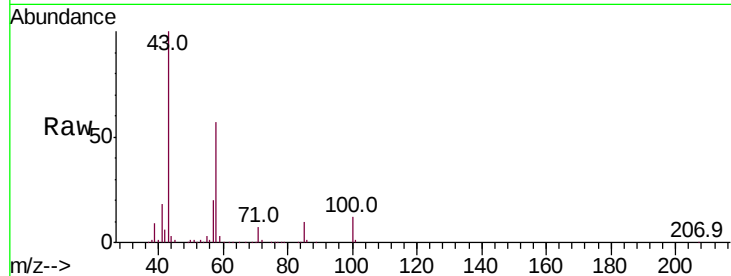
VN0528WBSD01

Tot Ion: 43 Resp: 291280

Ion Ratio Lower Upper

43 100

58 56.7 28.2 84.7



#60

Dibromochloromethane

Concen: 18.999 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055850.D

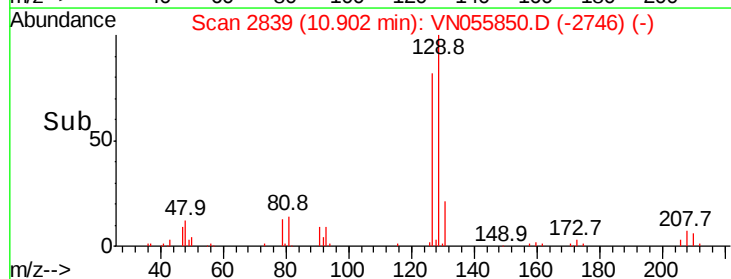
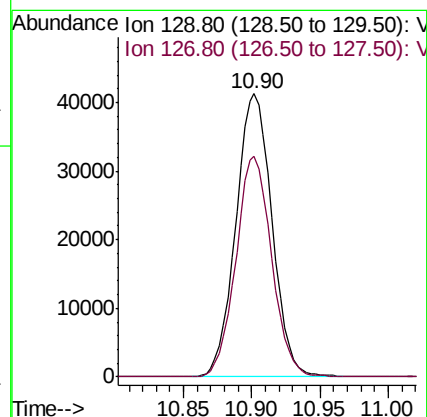
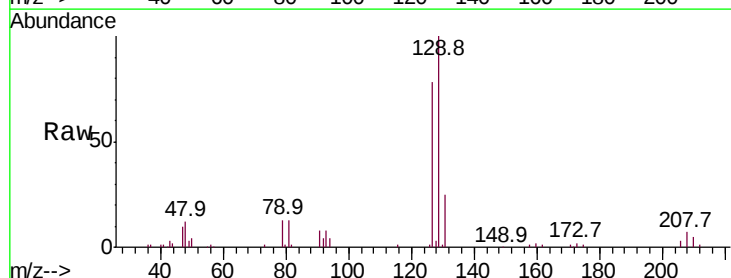
Acq: 28 May 2019 14:06

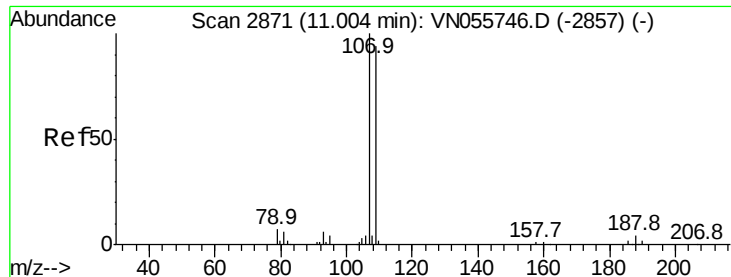
Tgt Ion: 129 Resp: 75901

Ion Ratio Lower Upper

129 100

127 76.9 38.1 114.3





#61

1,2-Dibromoethane

Concen: 20.057 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

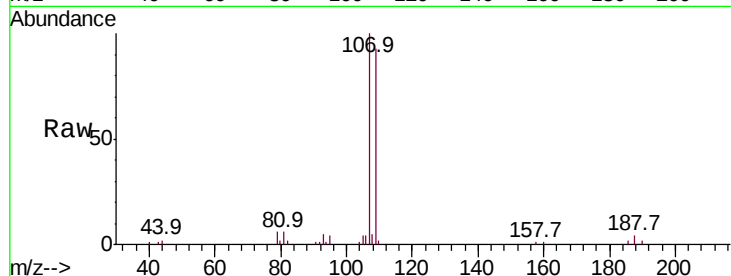
VN0528WBSD01

Tot Ion:107 Resp: 71344

Ion Ratio Lower Upper

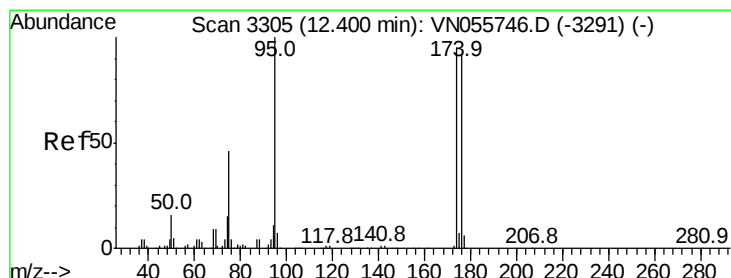
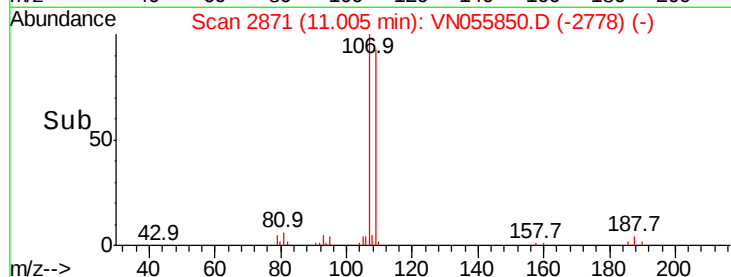
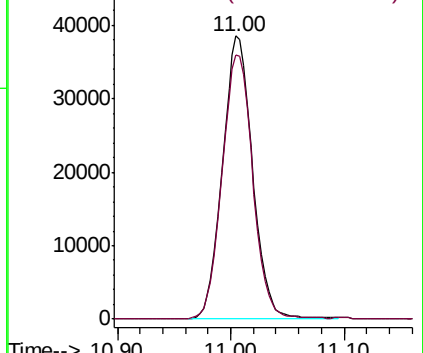
107 100

109 94.9 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.547 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

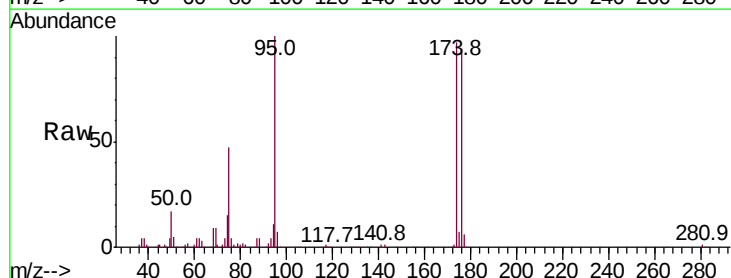
Tgt Ion: 95 Resp: 200594

Ion Ratio Lower Upper

95 100

174 96.8 0.0 191.0

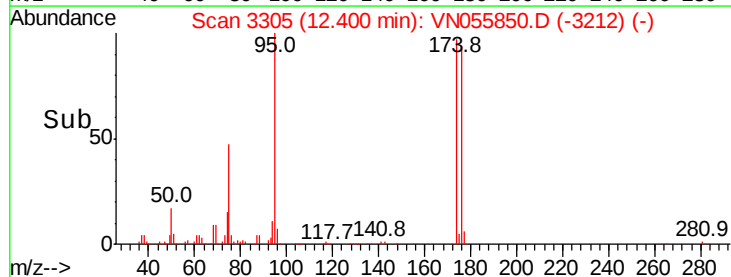
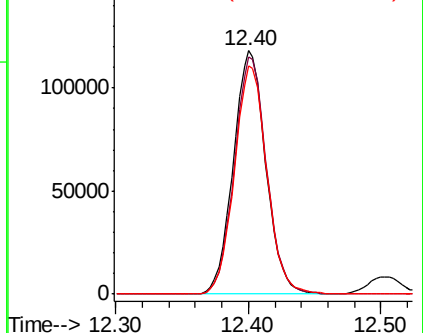
176 93.6 0.0 185.2

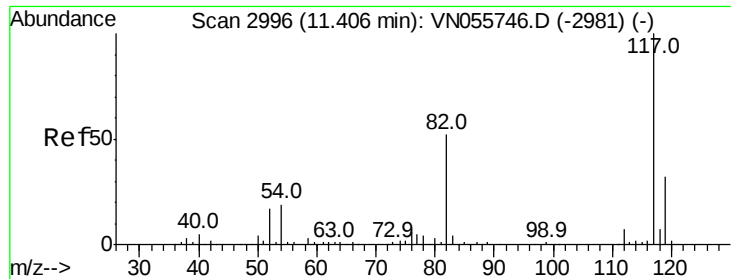


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

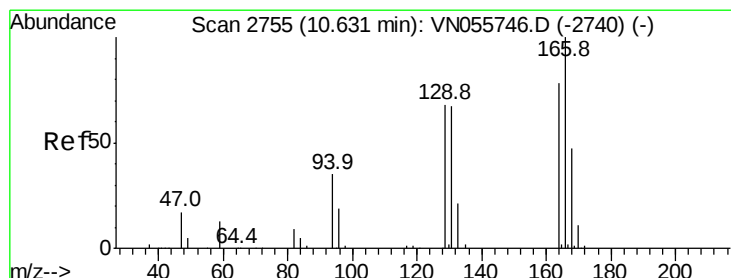
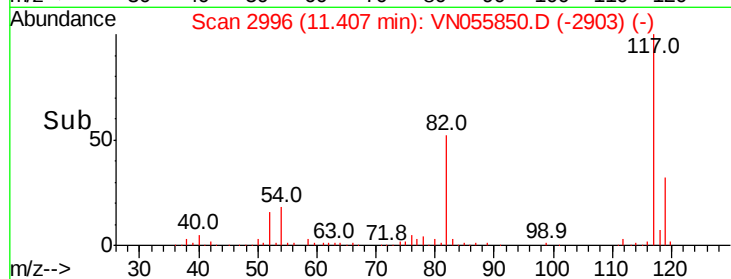
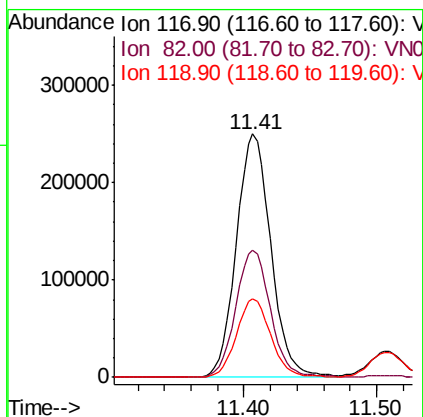
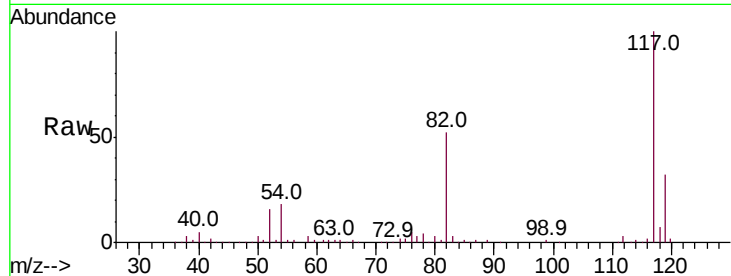




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

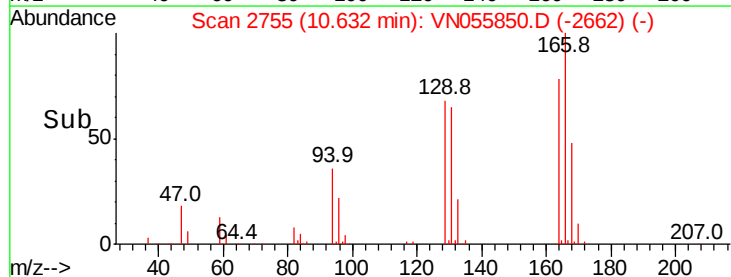
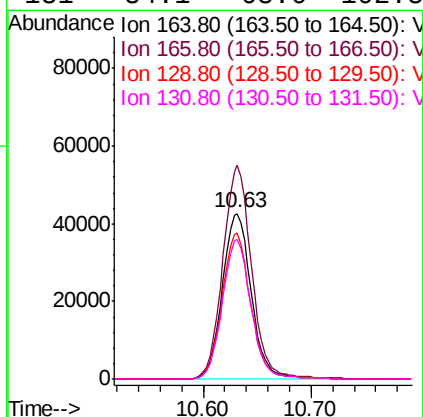
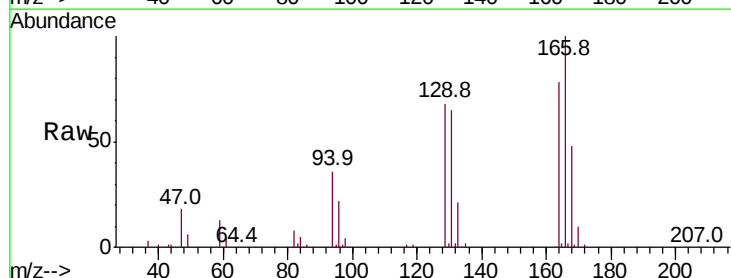
Instrument :
MSVOA_N
ClientSampleId :
VN0528WBSD01

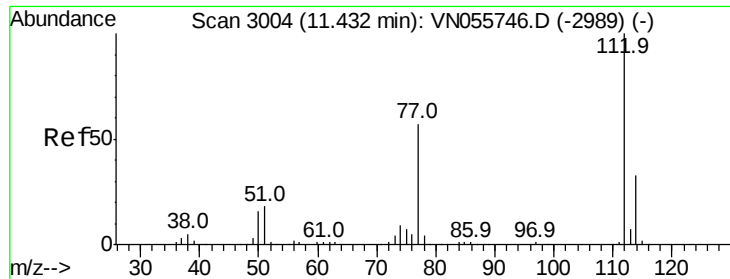
Tot Ion:117 Resp: 452870
Ion Ratio Lower Upper
117 100
82 52.2 41.8 62.8
119 32.5 25.4 38.0



#64
Tetrachloroethene
Concen: 20.865 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

Tgt Ion:164 Resp: 79697
Ion Ratio Lower Upper
164 100
166 129.0 103.0 154.6
129 88.0 70.6 105.8
131 84.1 68.6 102.8

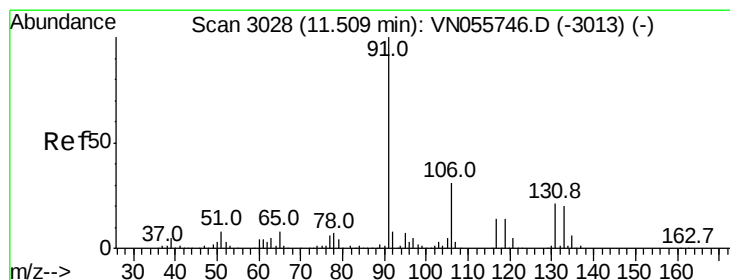
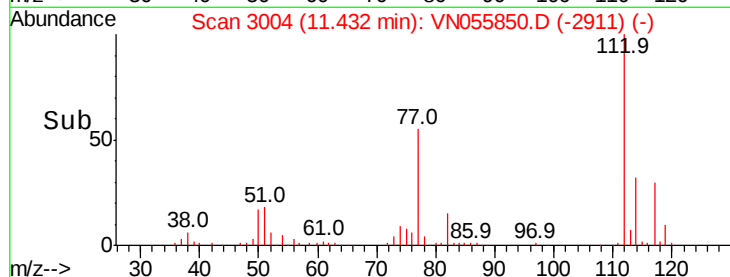
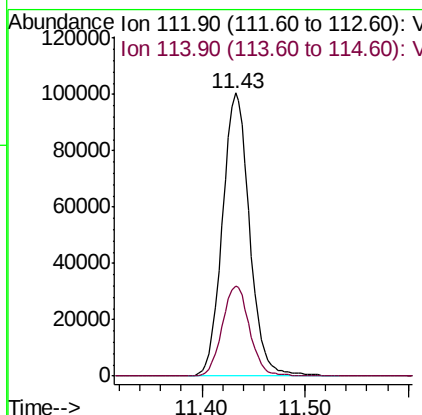
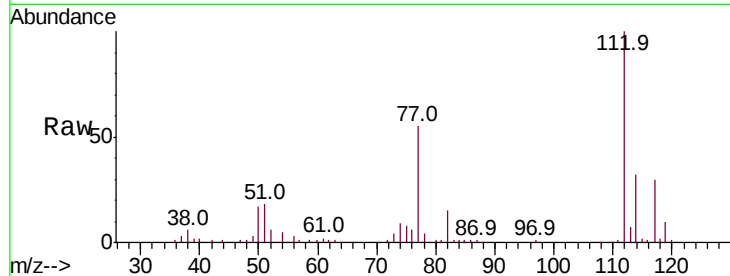




#65
Chlorobenzene
Concen: 20.337 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

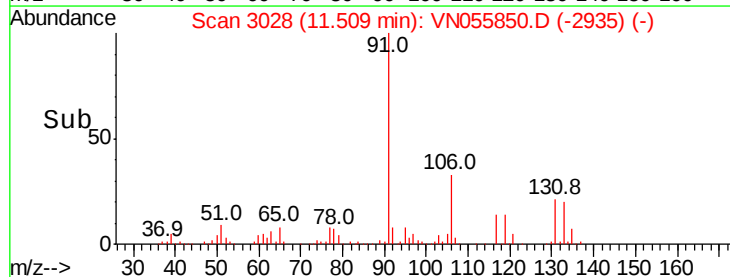
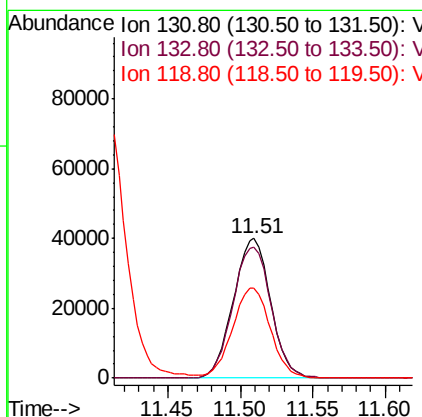
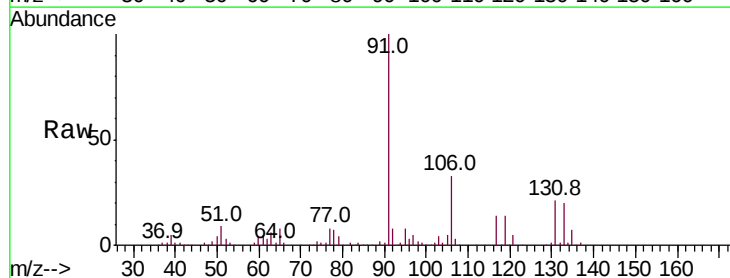
Instrument :
MSVOA_N
ClientSampled :
VN0528WBSD01

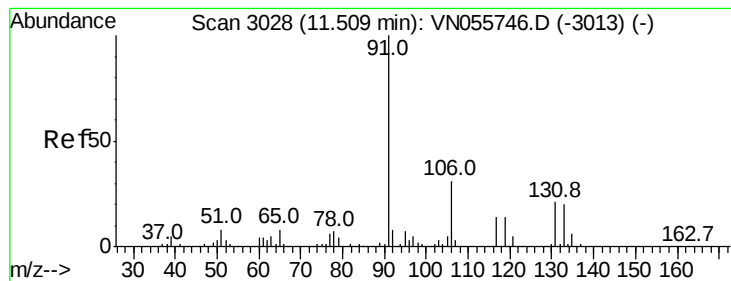
Tot Ion:112 Resp: 184370
Ion Ratio Lower Upper
112 100
114 32.0 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.798 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

Tgt Ion:131 Resp: 71586
Ion Ratio Lower Upper
131 100
133 96.6 48.0 144.0
119 65.9 33.1 99.5





#67

Ethyl Benzene

Concen: 19.725 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampled :

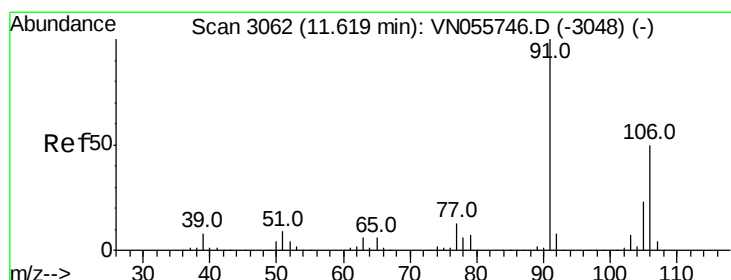
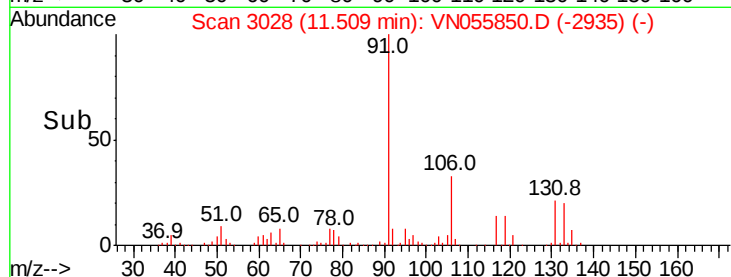
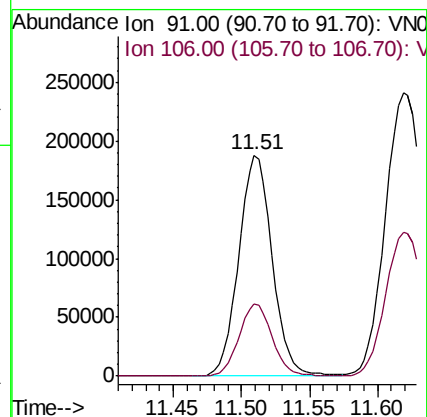
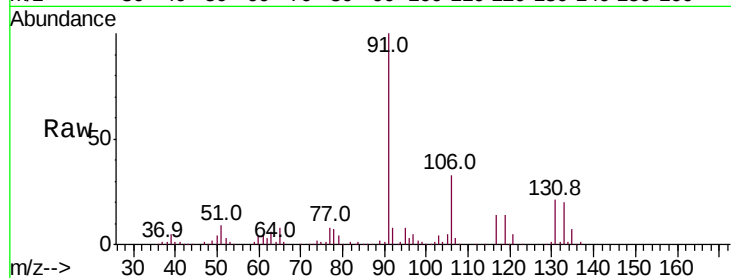
VN0528WBSD01

Tot Ion: 91 Resp: 320692

Ion Ratio Lower Upper

91 100

106 32.8 25.1 37.7



#68

m/p-Xylenes

Concen: 39.800 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN055850.D

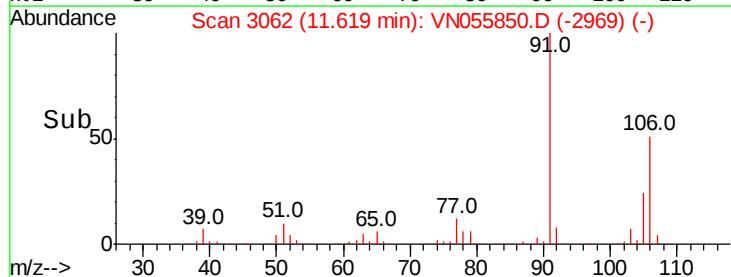
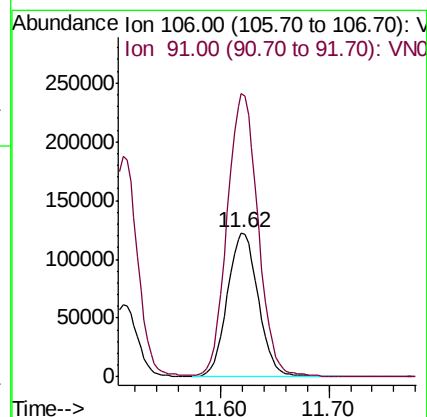
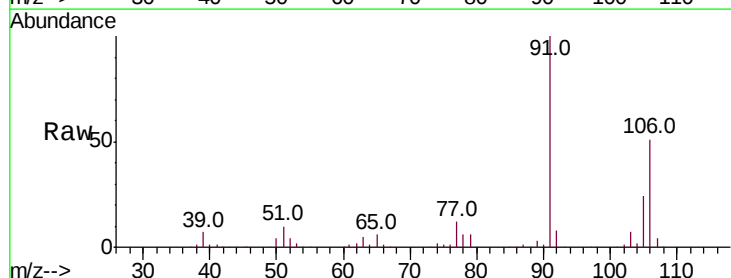
Acq: 28 May 2019 14:06

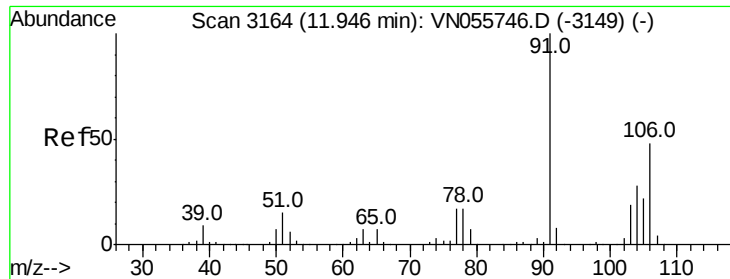
Tgt Ion: 106 Resp: 244621

Ion Ratio Lower Upper

106 100

91 197.0 159.3 238.9

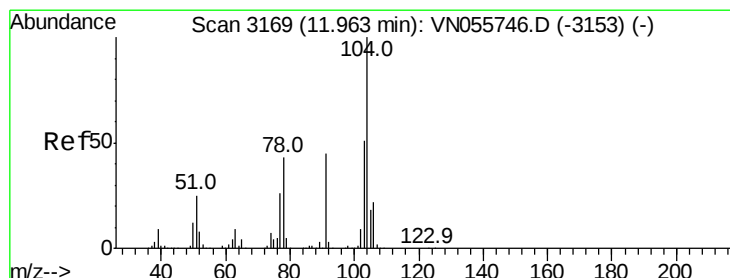
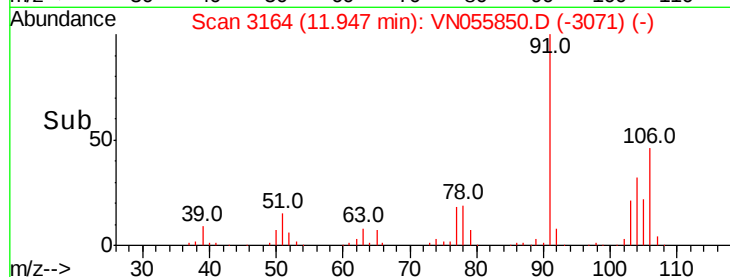
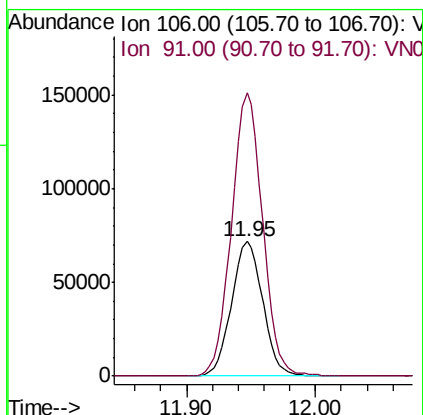
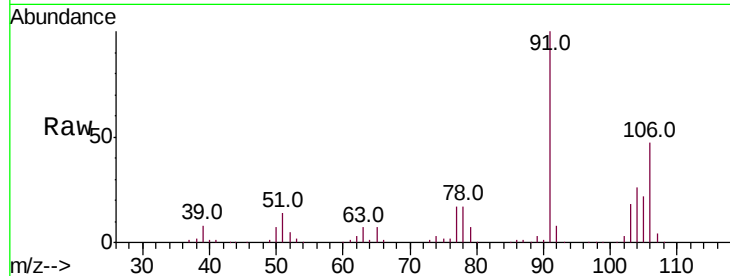




#69
o-Xylene
Concen: 19.779 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

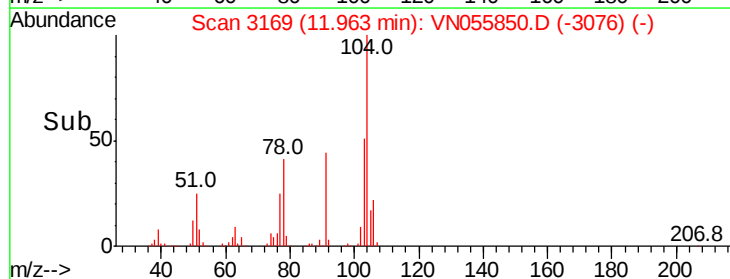
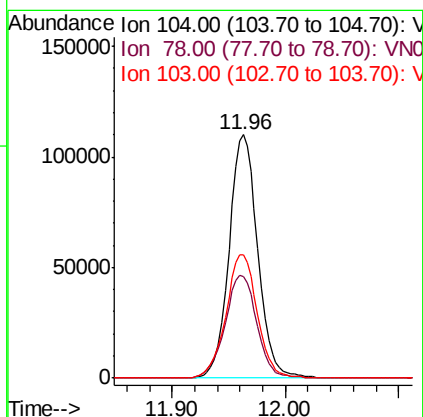
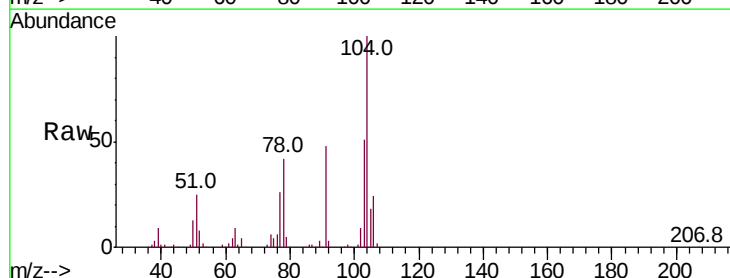
Instrument :
MSVOA_N
ClientSampleId :
VN0528WBSD01

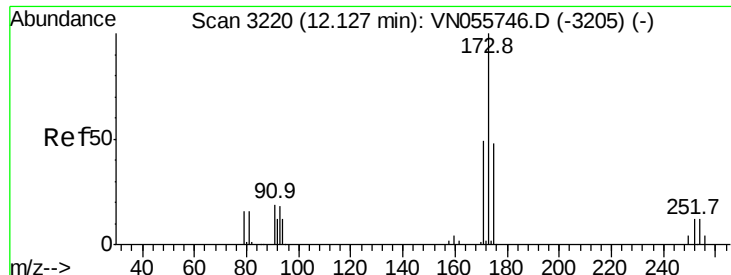
Tot Ion:106 Resp: 120612
Ion Ratio Lower Upper
106 100
91 209.7 104.7 314.1



#70
Styrene
Concen: 19.578 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055850.D
Acq: 28 May 2019 14:06

Tgt Ion:104 Resp: 193330
Ion Ratio Lower Upper
104 100
78 47.2 37.8 56.6
103 55.8 44.2 66.2





#71

Bromoform

Concen: 18.146 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBSD01

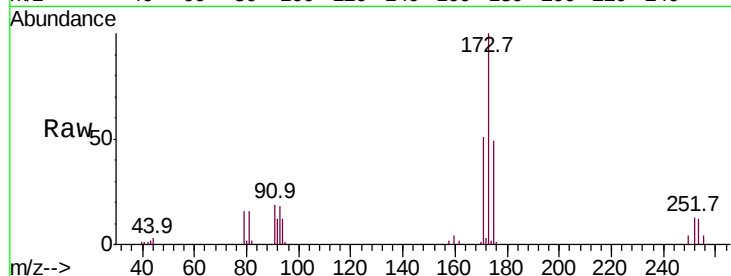
Tot Ion:173 Resp: 55965

Ion Ratio Lower Upper

173 100

175 48.9 24.3 72.8

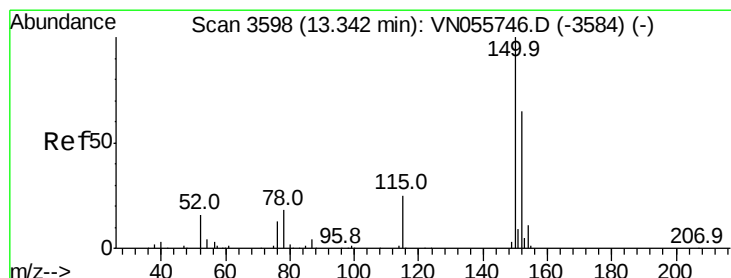
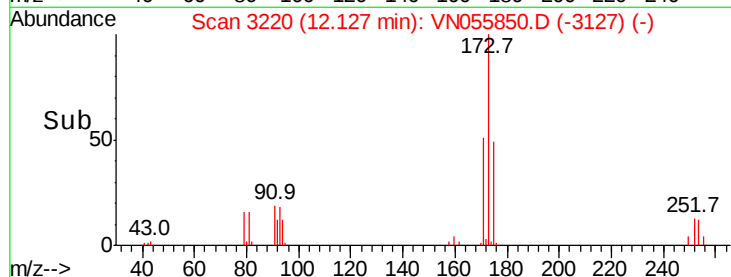
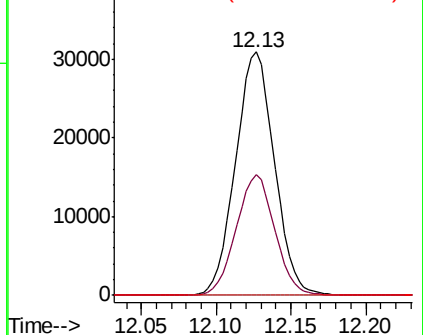
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

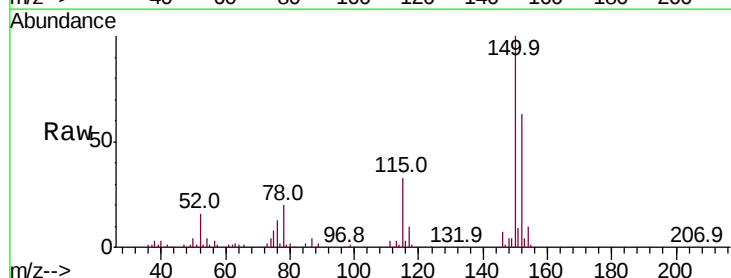
Tgt Ion:152 Resp: 185898

Ion Ratio Lower Upper

152 100

115 52.0 27.0 81.0

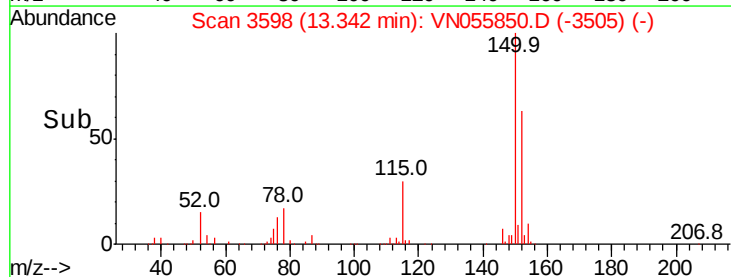
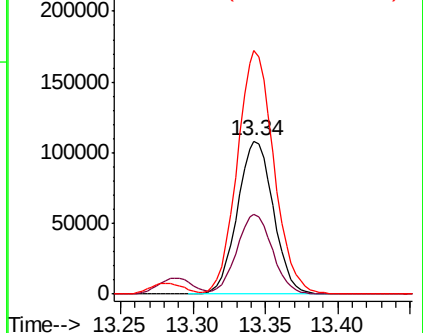
150 162.4 0.0 343.2

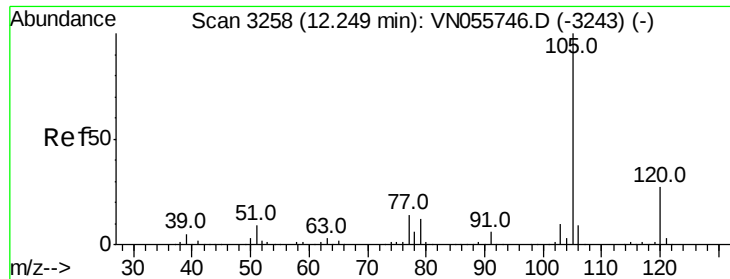


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.766 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

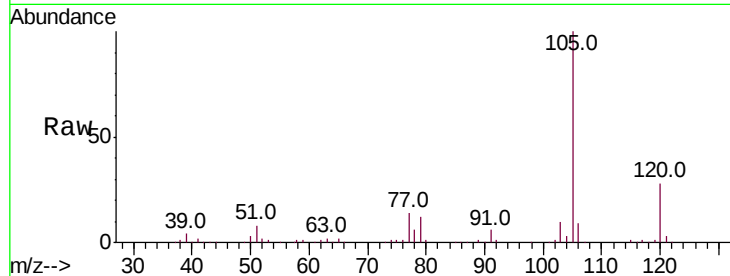
VN0528WBSD01

Tot Ion:105 Resp: 320263

Ion Ratio Lower Upper

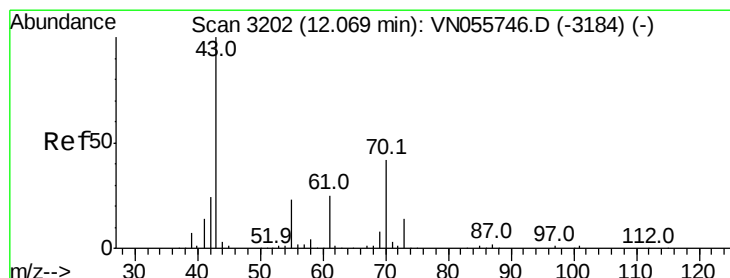
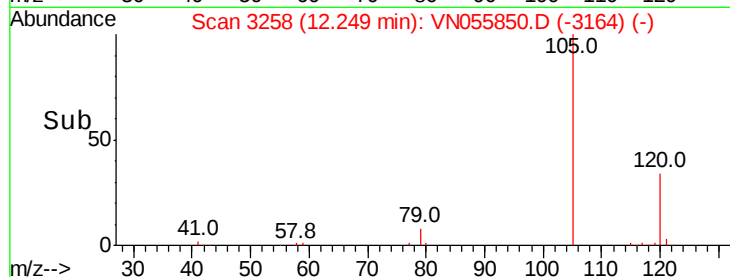
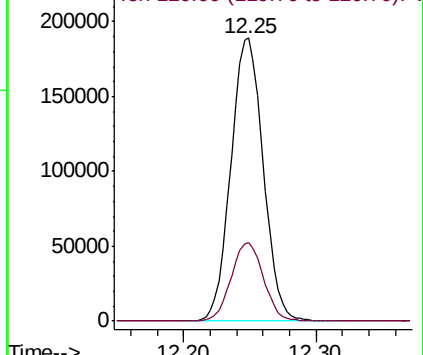
105 100

120 27.7 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.539 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Tgt Ion: 43 Resp: 110151

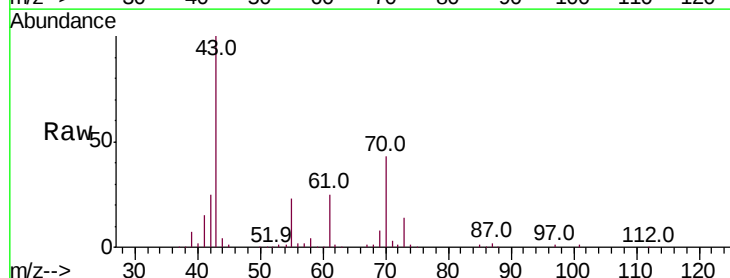
Ion Ratio Lower Upper

43 100

70 42.9 34.0 51.0

55 24.5 18.6 28.0

61 25.2 20.0 30.0

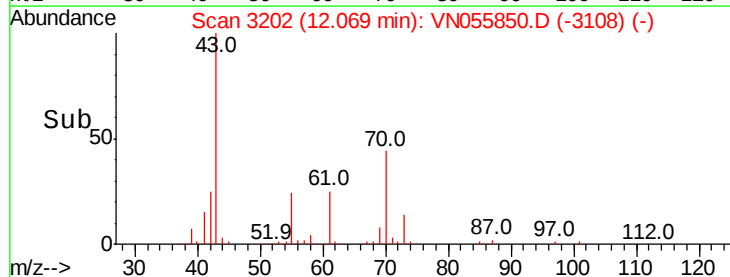
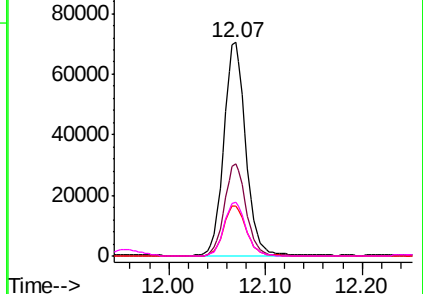


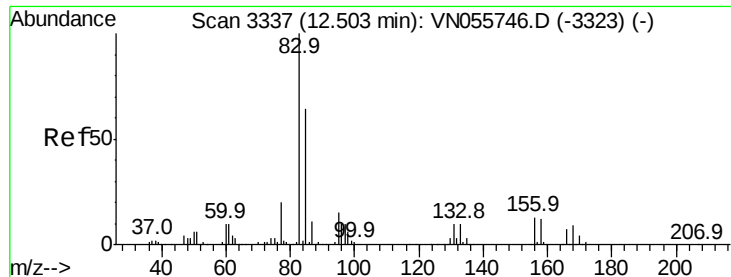
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.349 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBSD01

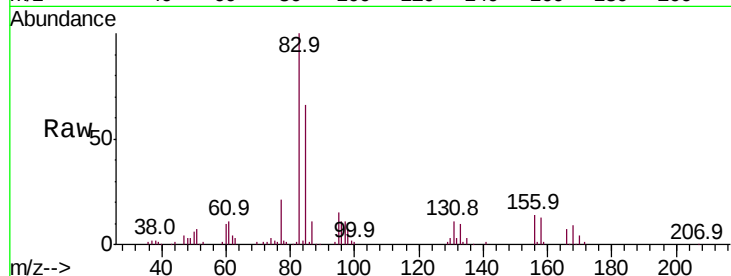
Tot Ion: 83 Resp: 94702

Ion Ratio Lower Upper

83 100

131 10.9 5.4 16.2

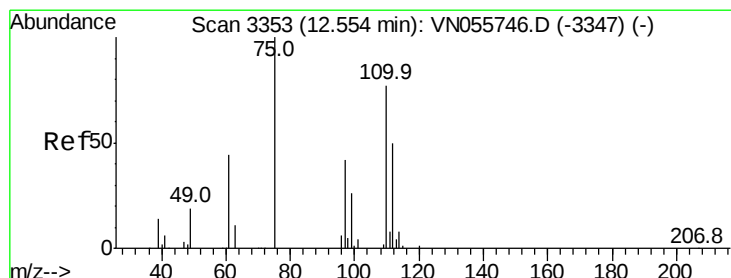
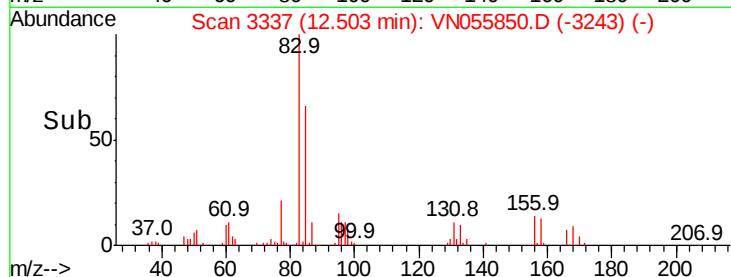
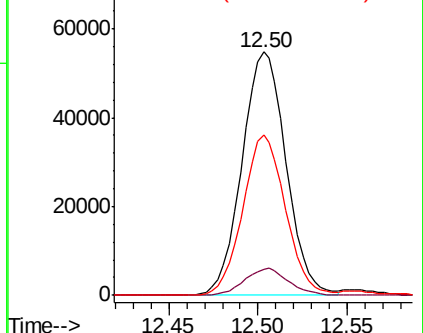
85 63.8 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN055746.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN055746.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN055746.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 33.819 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055850.D

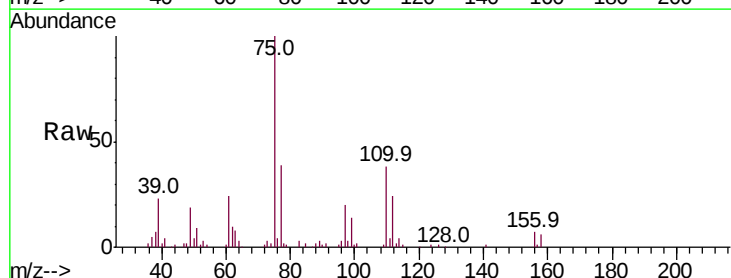
Acq: 28 May 2019 14:06

Tgt Ion: 75 Resp: 111516

Ion Ratio Lower Upper

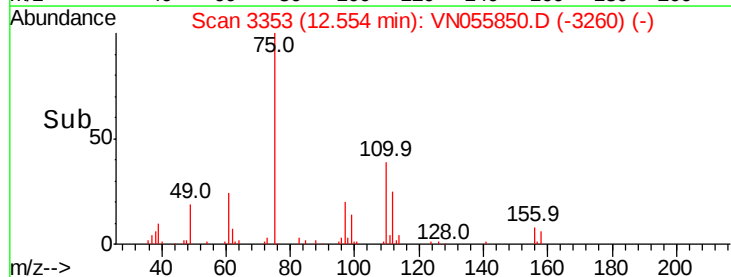
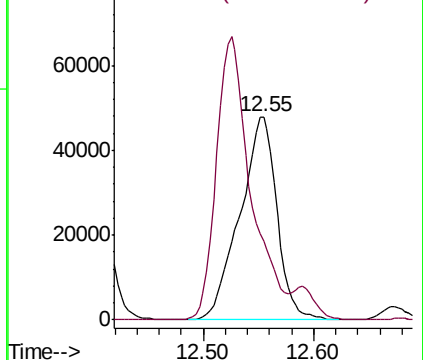
75 100

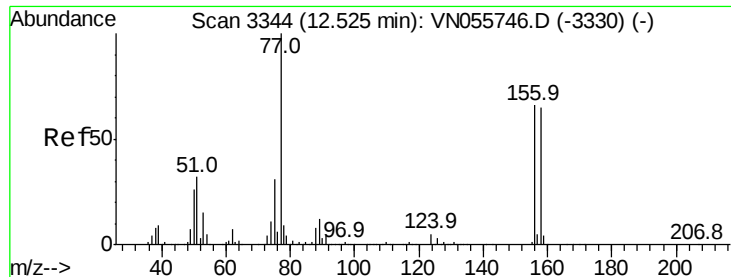
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055746.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN055746.D (-3347) (-)





#77

Bromobenzene

Concen: 21.581 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBSD01

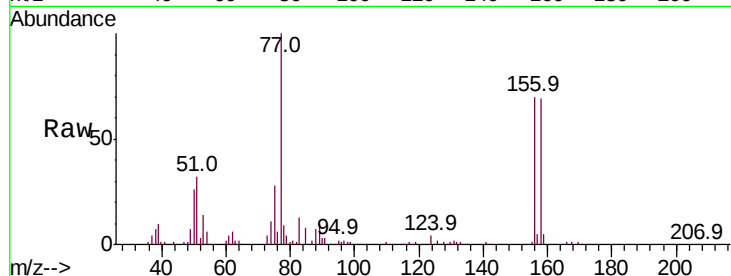
Tot Ion:156 Resp: 85611

Ion Ratio Lower Upper

156 100

77 169.0 90.8 272.5

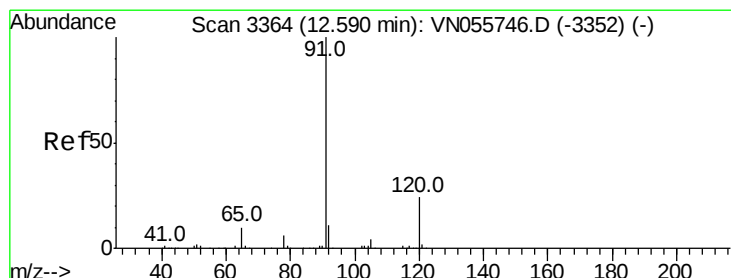
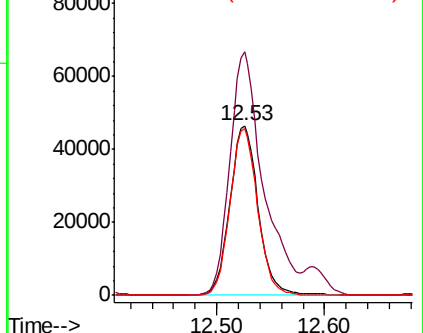
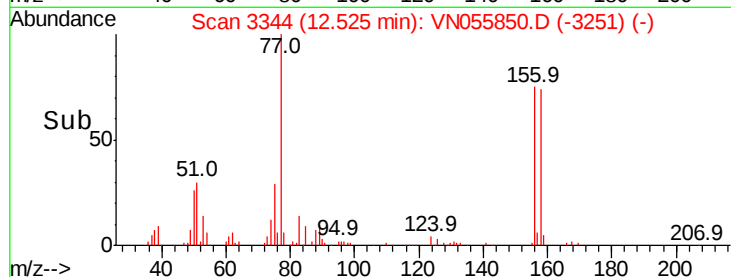
158 95.0 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.196 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055850.D

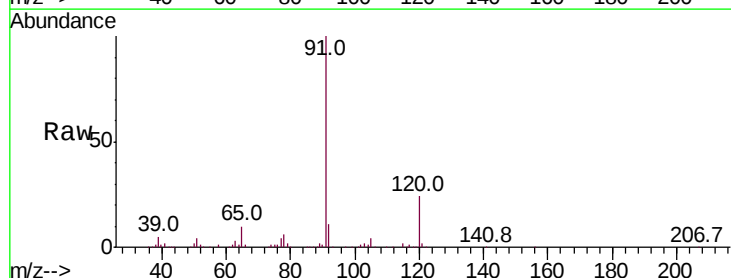
Acq: 28 May 2019 14:06

Tgt Ion: 91 Resp: 326312

Ion Ratio Lower Upper

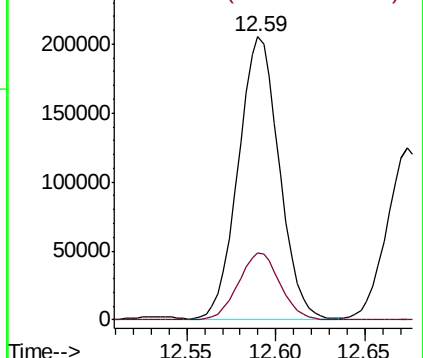
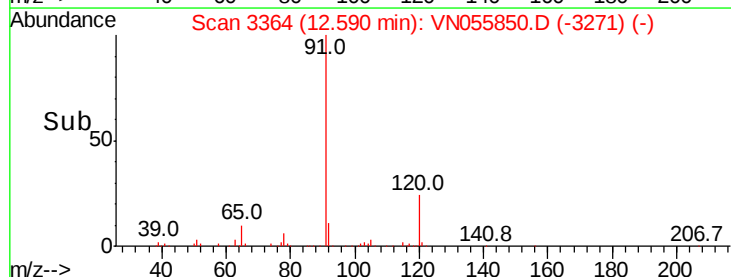
91 100

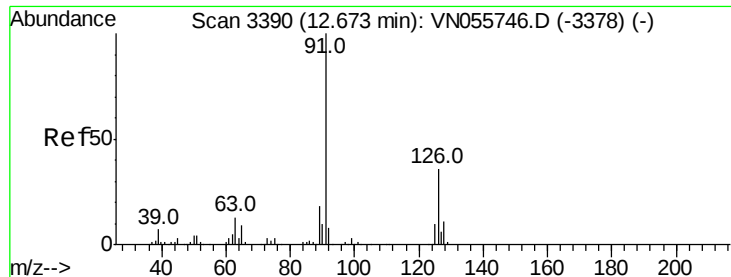
120 24.3 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.921 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

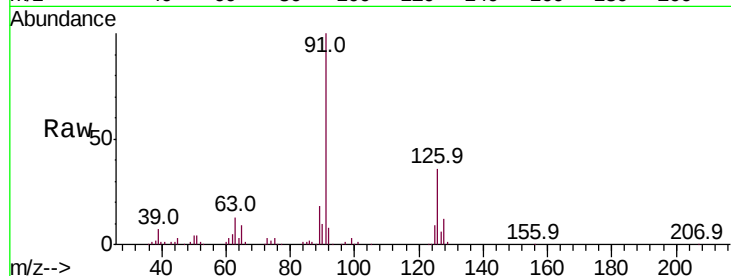
VN0528WBSD01

Tot Ion: 91 Resp: 203232

Ion Ratio Lower Upper

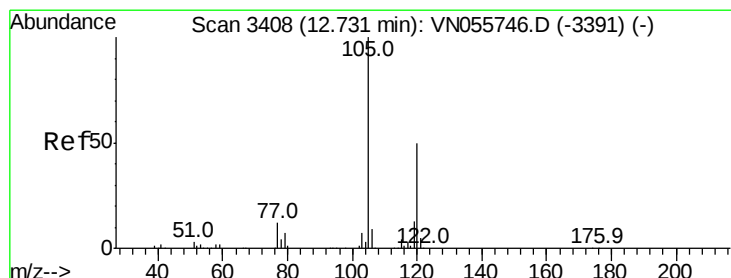
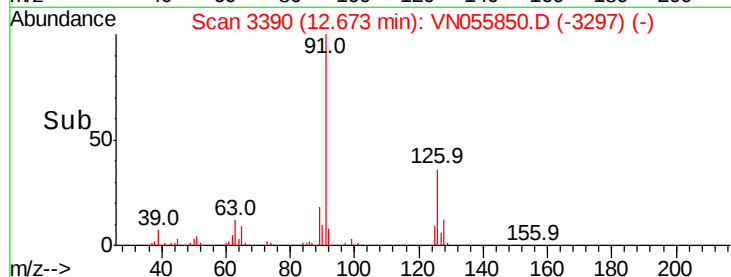
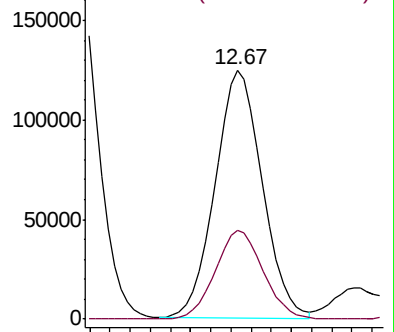
91 100

126 36.5 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN055850.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN055850.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.640 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055850.D

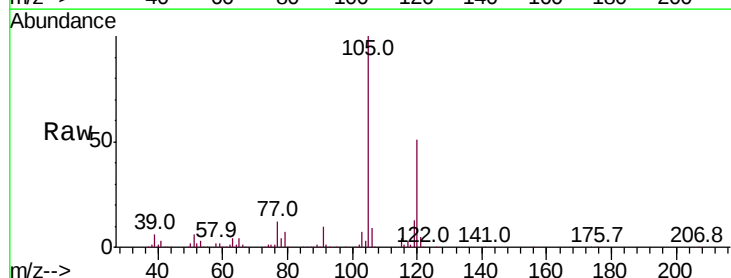
Acq: 28 May 2019 14:06

Tgt Ion:105 Resp: 257026

Ion Ratio Lower Upper

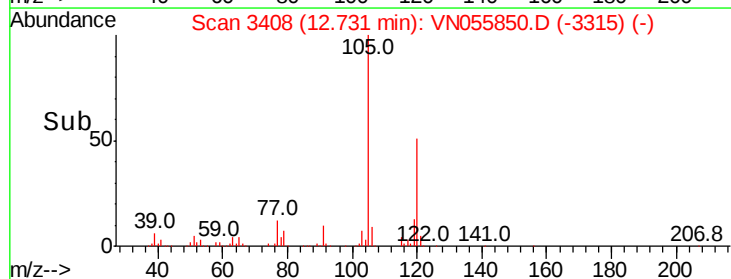
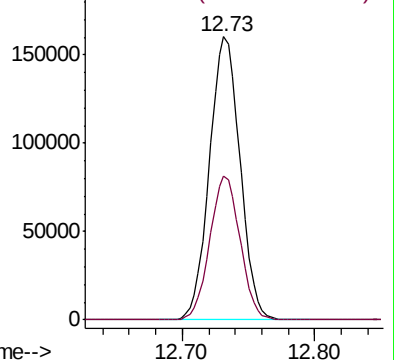
105 100

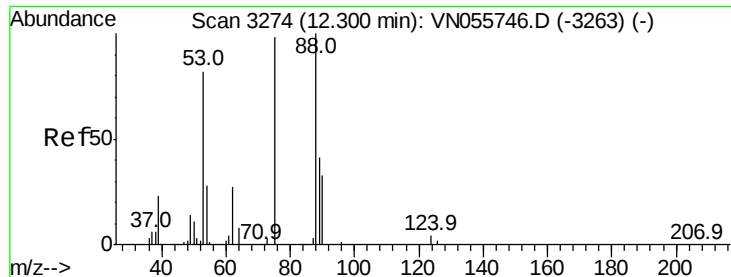
120 50.1 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055850.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN055850.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.081 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBSD01

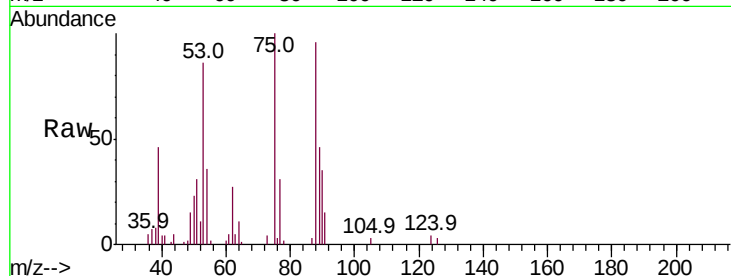
Tot Ion: 75 Resp: 24982

Ion Ratio Lower Upper

75 100

53 90.3 68.1 102.1

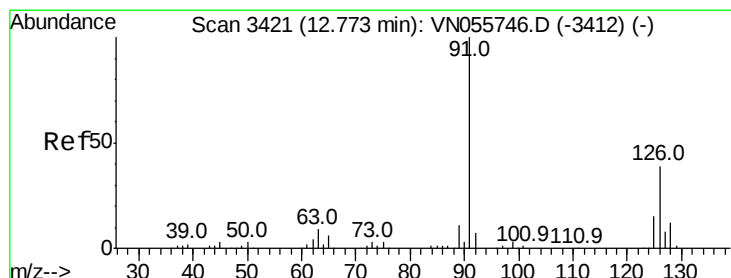
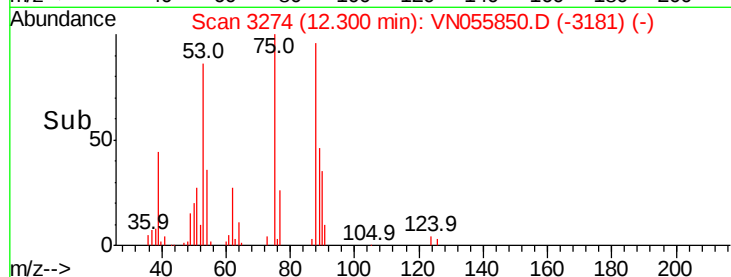
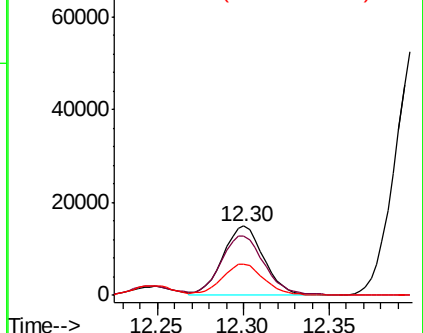
89 46.0 36.9 55.3



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 19.789 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055850.D

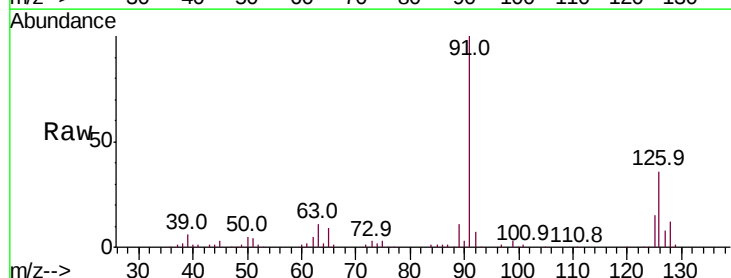
Acq: 28 May 2019 14:06

Tgt Ion: 91 Resp: 187949

Ion Ratio Lower Upper

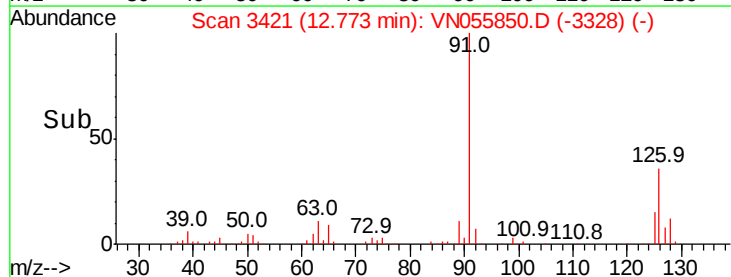
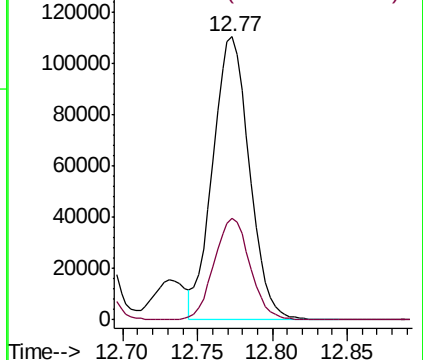
91 100

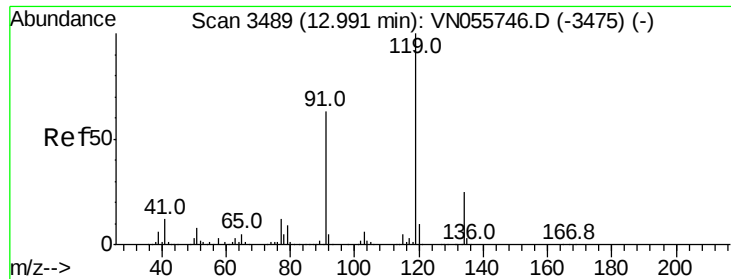
126 35.4 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 125.90 (125.60 to 126.60): VNO





#83

tert-Butylbenzene

Concen: 22.433 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampled :

VN0528WBSD01

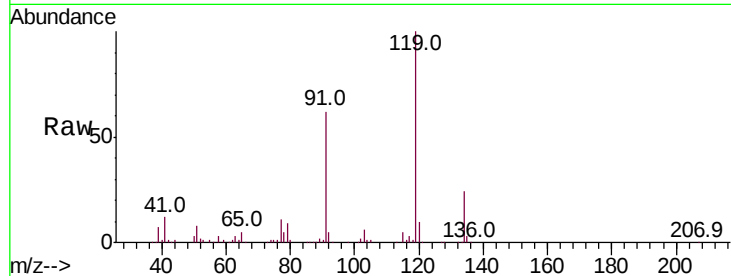
Tot Ion:119 Resp: 231892

Ion Ratio Lower Upper

119 100

91 61.1 30.9 92.8

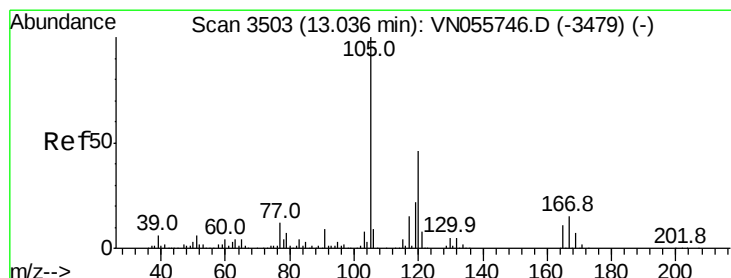
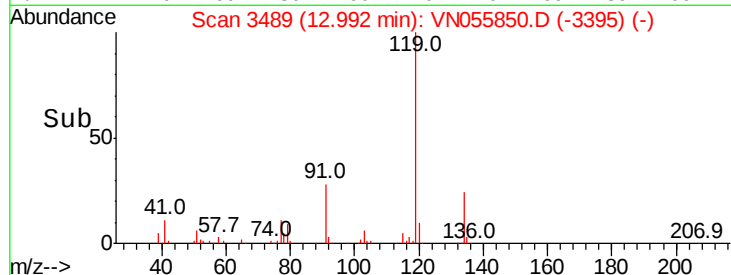
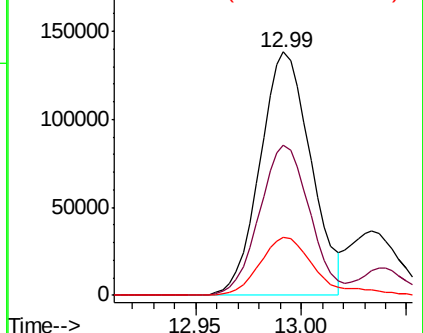
134 26.1 13.3 39.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.422 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN055850.D

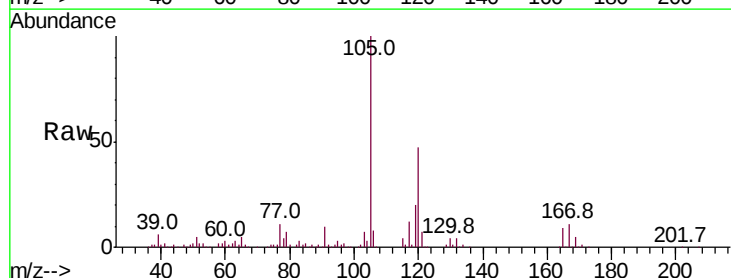
Acq: 28 May 2019 14:06

Tgt Ion:105 Resp: 252926

Ion Ratio Lower Upper

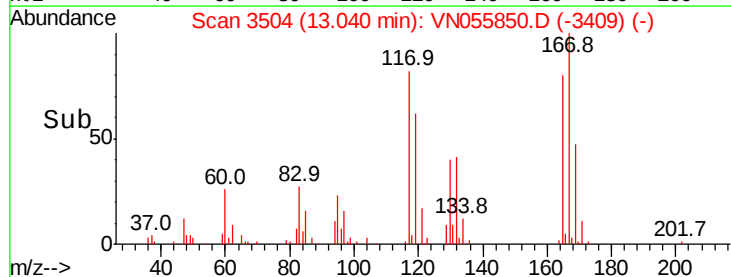
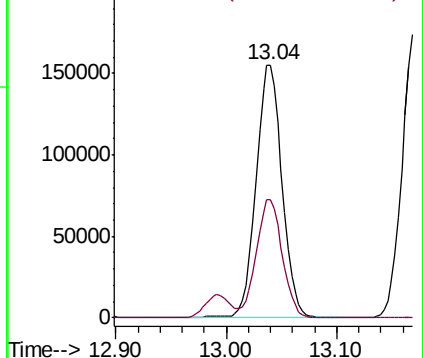
105 100

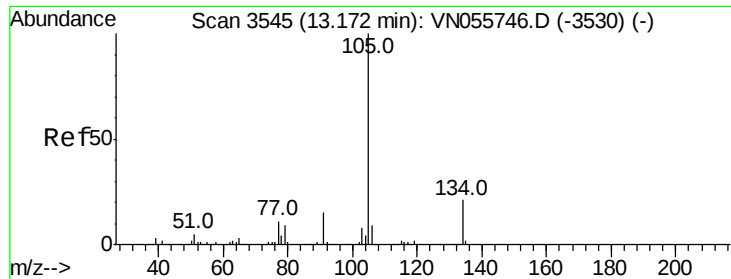
120 46.7 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.499 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

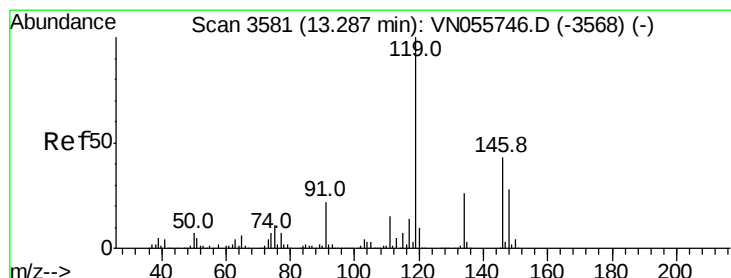
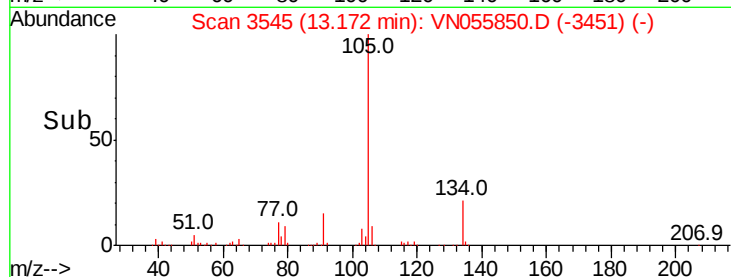
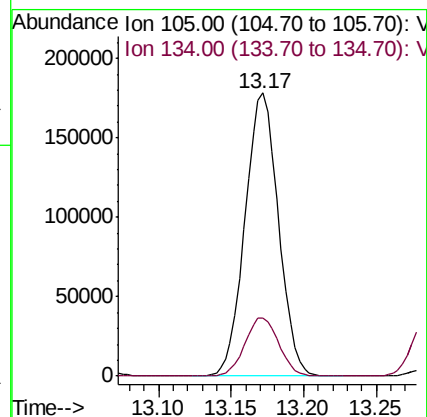
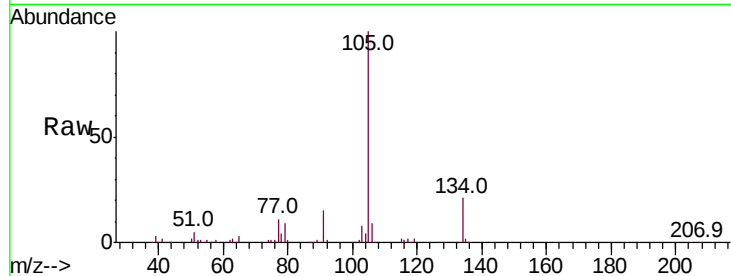
VN0528WBSD01

Tot Ion:105 Resp: 285888

Ion Ratio Lower Upper

105 100

134 20.9 10.4 31.2



#86

p-Isopropyltoluene

Concen: 20.122 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

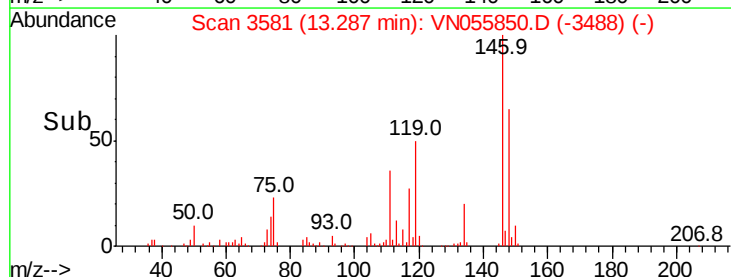
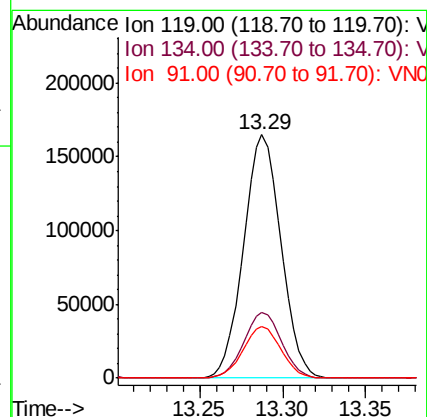
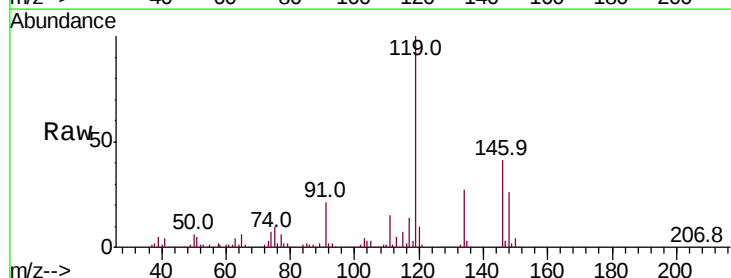
Tgt Ion:119 Resp: 259772

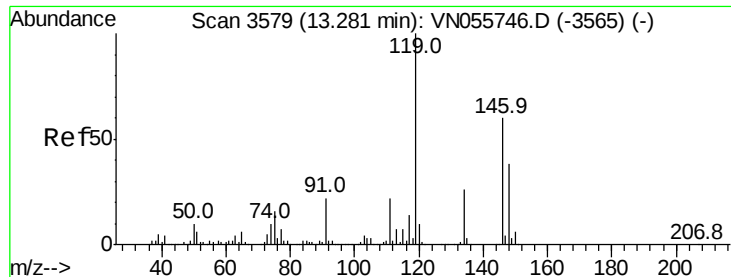
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

91 21.3 10.9 32.9

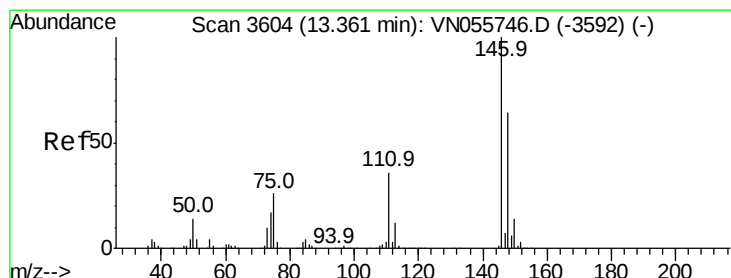
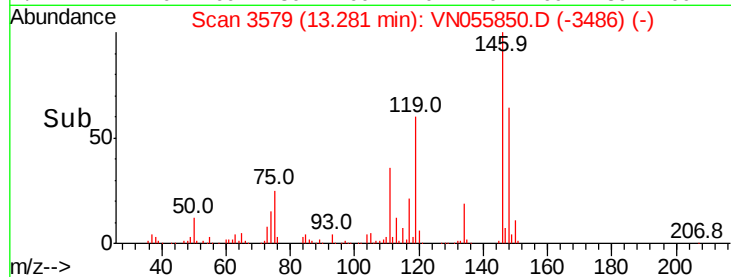
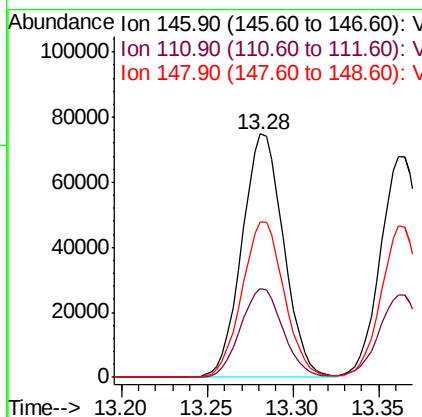
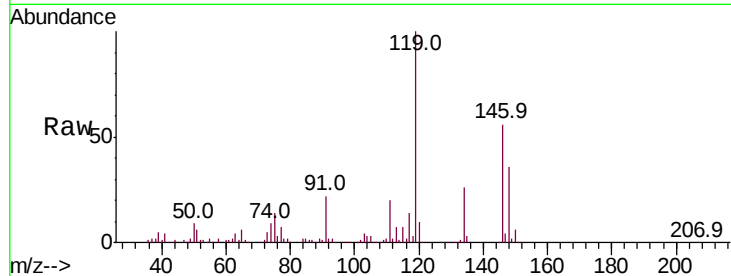




#87
 1,3-Dichlorobenzene
 Concen: 20.006 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055850.D
 Acq: 28 May 2019 14:06

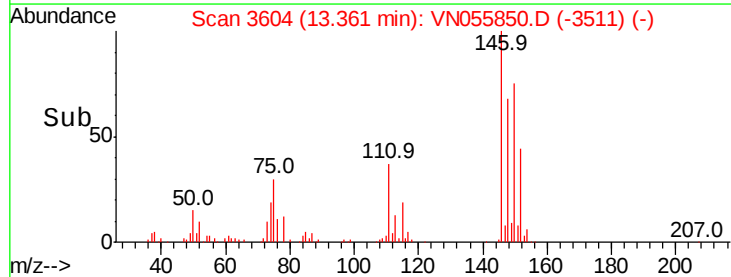
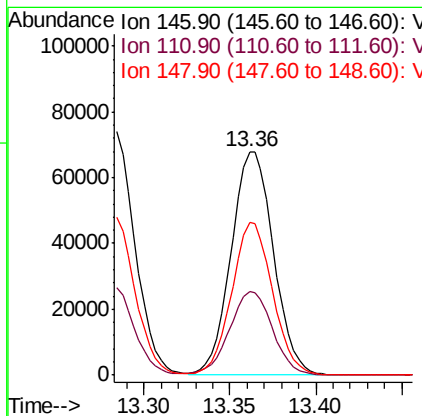
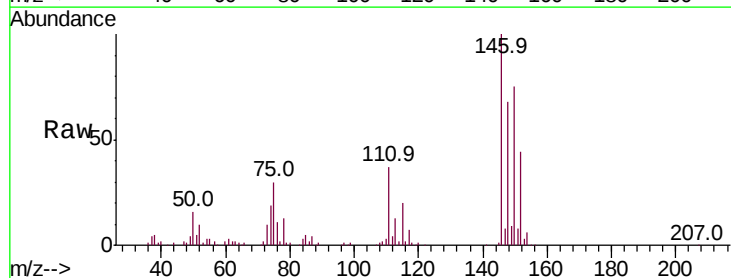
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBSD01

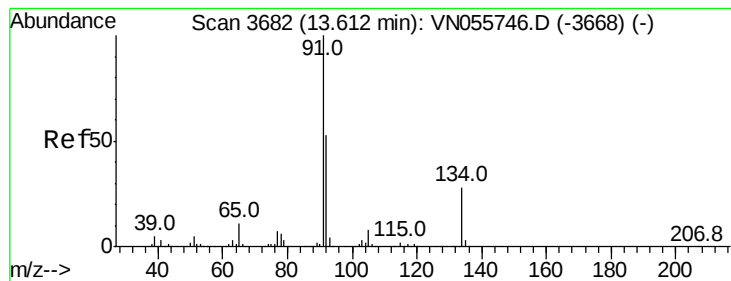
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.5	55.5
148	64.5	32.0	96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.481 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055850.D
 Acq: 28 May 2019 14:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.1	54.4
148	65.8	32.1	96.5





#89

n-Butylbenzene

Concen: 18.457 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBSD01

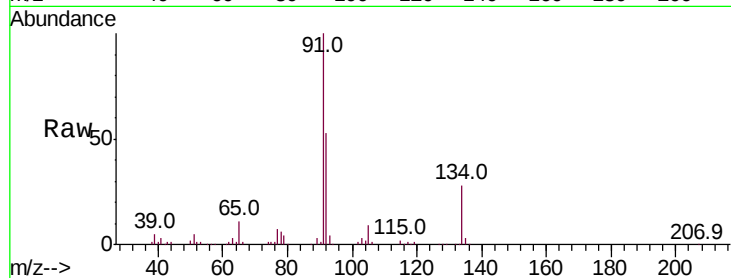
Tot Ion: 91 Resp: 182571

Ion Ratio Lower Upper

91 100

92 52.1 26.4 79.0

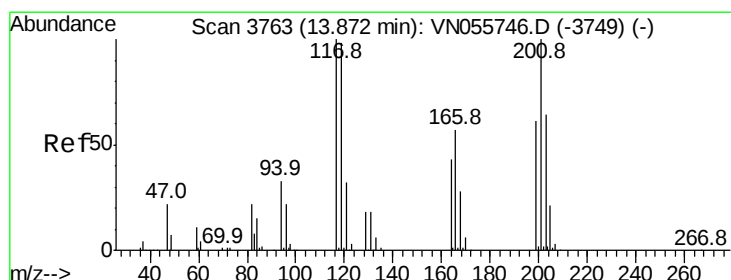
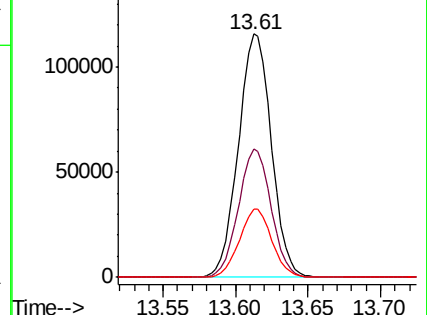
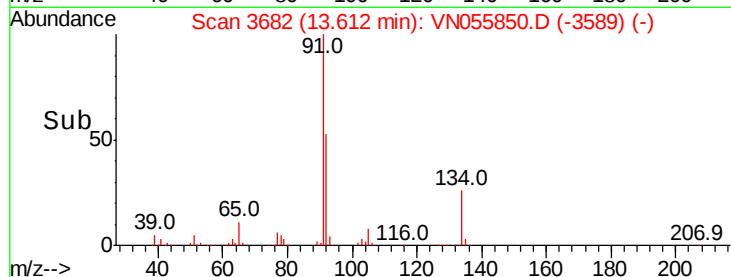
134 27.5 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VN055850.D (-3682) (-)

Ion 92.00 (91.70 to 92.70): VN055850.D (-3682) (-)

Ion 134.00 (133.70 to 134.70): VN055850.D (-3682) (-)



#90

Hexachloroethane

Concen: 18.556 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055850.D

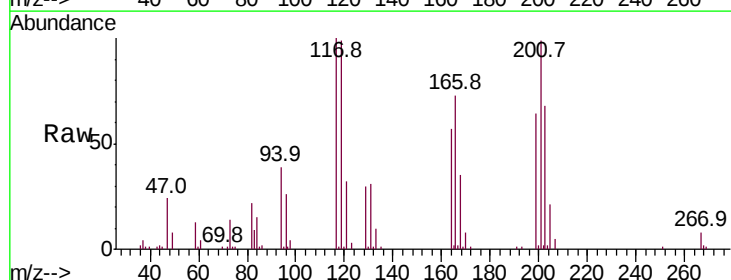
Acq: 28 May 2019 14:06

Tgt Ion: 117 Resp: 45598

Ion Ratio Lower Upper

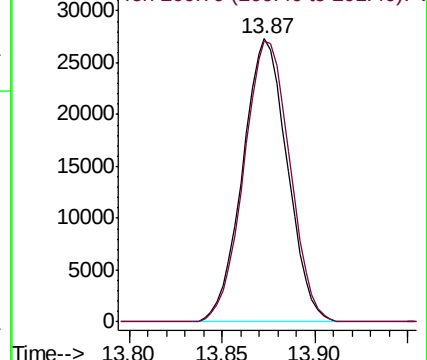
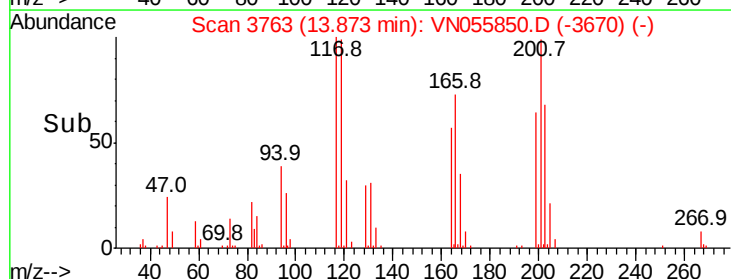
117 100

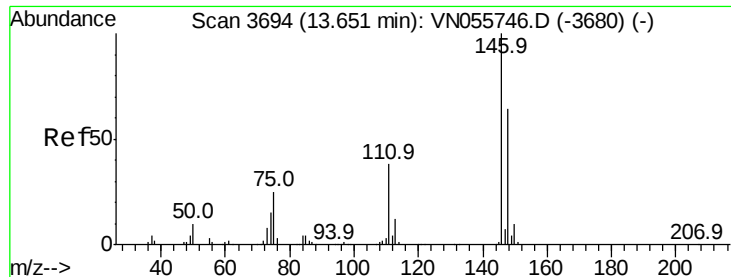
201 102.1 50.0 150.0



Abundance Ion 116.80 (116.50 to 117.50): VN055850.D (-3763) (-)

Ion 200.70 (200.40 to 201.40): VN055850.D (-3763) (-)

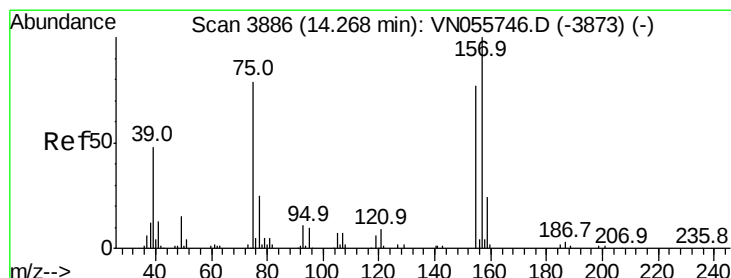
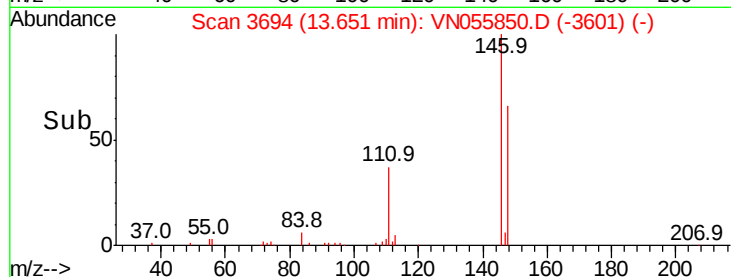
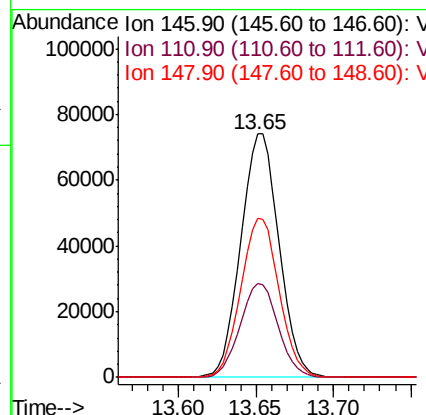
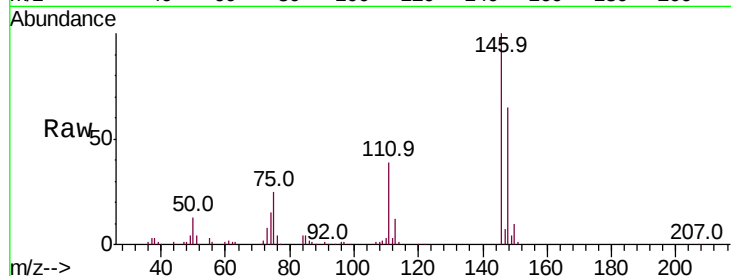




#91
 1,2-Dichlorobenzene
 Concen: 20.286 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055850.D
 Acq: 28 May 2019 14:06

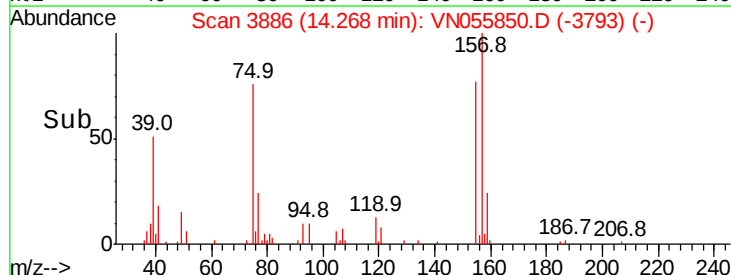
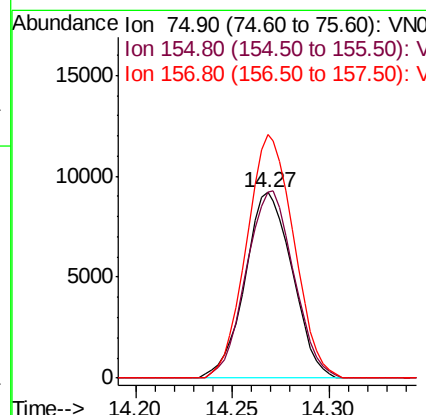
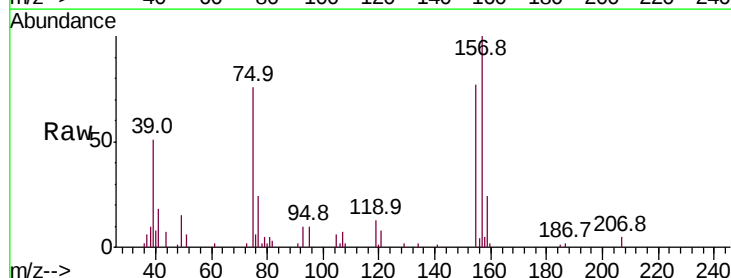
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBSD01

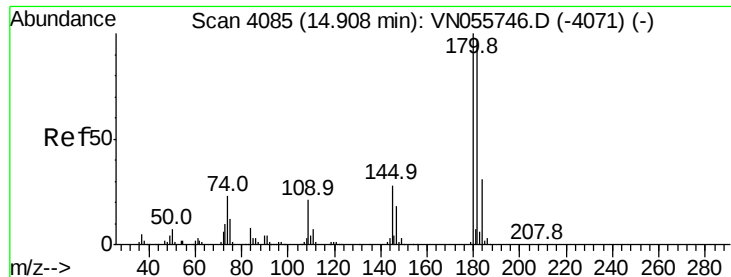
Tot Ion:146 Resp: 127127
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.1 57.5
 148 65.5 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.019 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055850.D
 Acq: 28 May 2019 14:06

Tgt Ion: 75 Resp: 15666
 Ion Ratio Lower Upper
 75 100
 155 101.9 50.0 150.1
 157 131.4 64.8 194.3





#93

1,2,4-Trichlorobenzene

Concen: 18.002 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBSD01

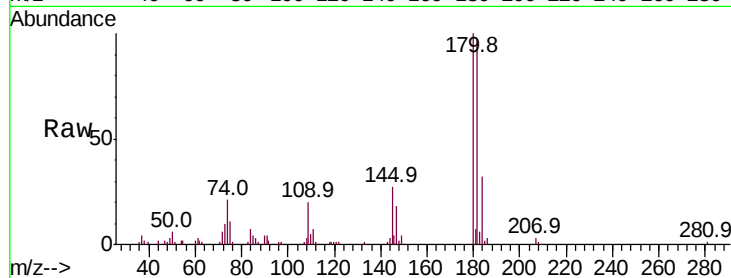
Tot Ion:180 Resp: 55856

Ion Ratio Lower Upper

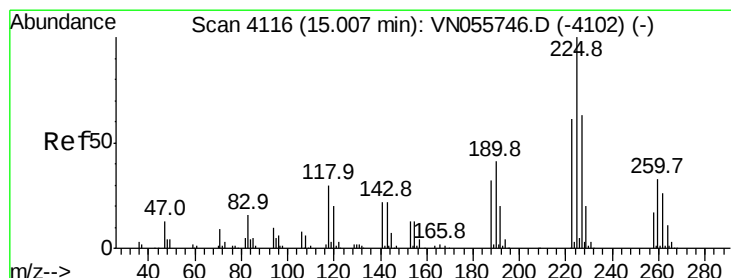
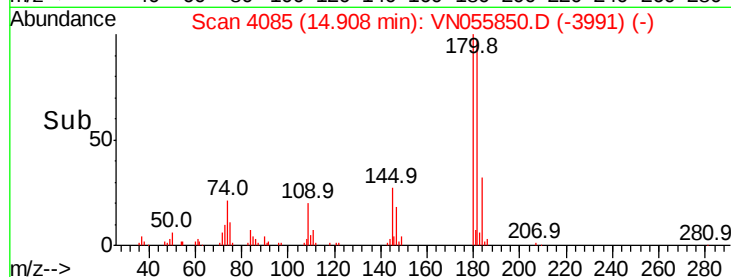
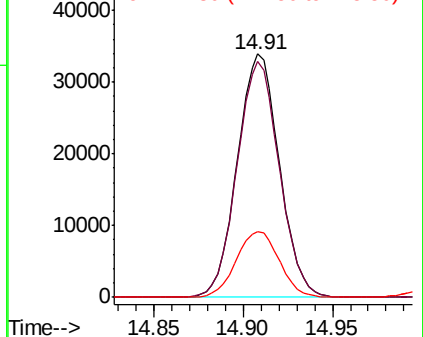
180 100

182 97.3 48.3 144.9

145 27.8 14.0 41.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 20.548 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

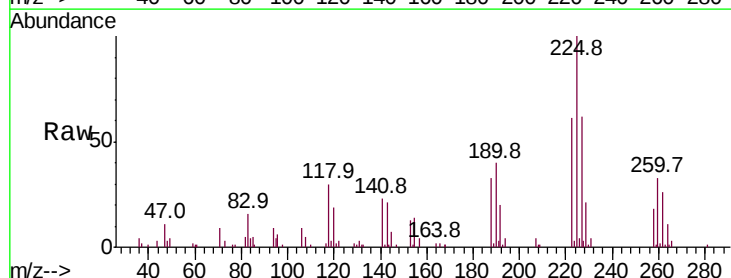
Tgt Ion:225 Resp: 47691

Ion Ratio Lower Upper

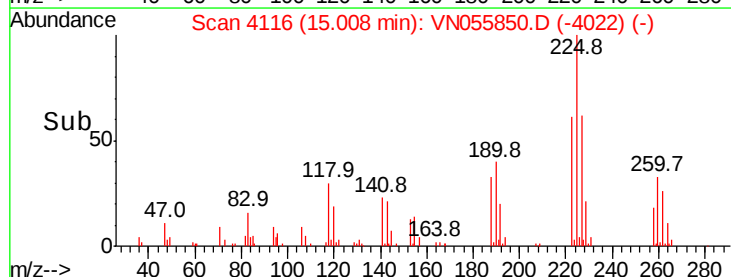
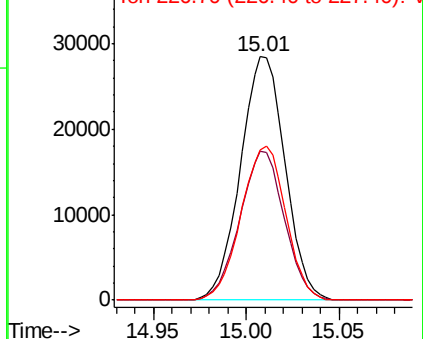
225 100

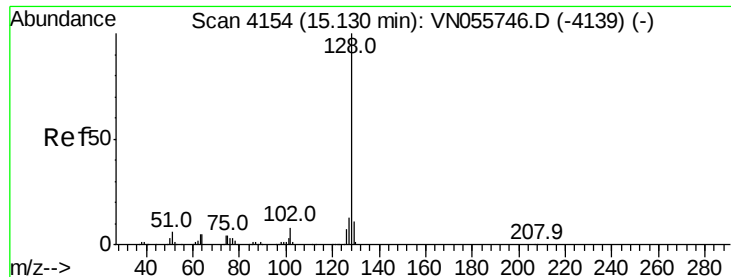
223 60.8 30.9 92.7

227 63.1 31.6 94.7



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 21.238 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBSD01

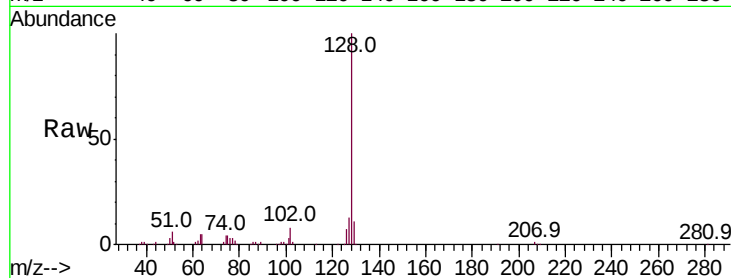
Tot Ion:128 Resp: 182639

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

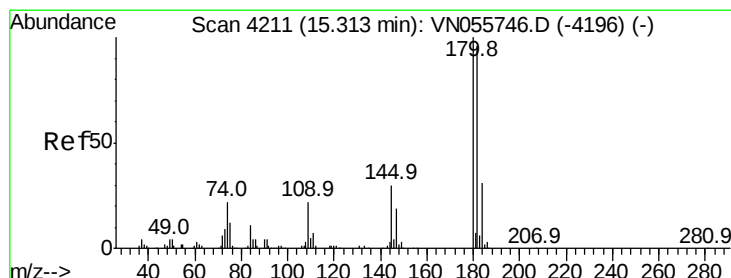
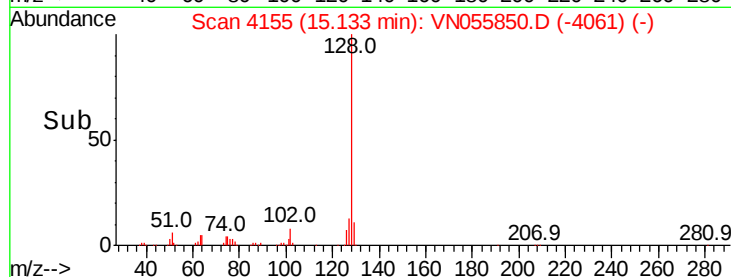
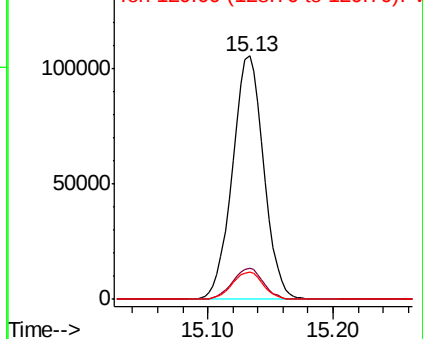
129 11.1 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.237 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055850.D

Acq: 28 May 2019 14:06

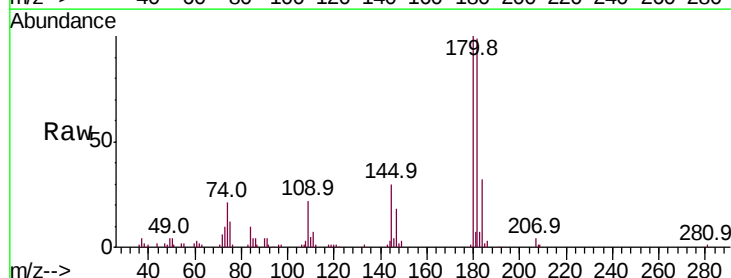
Tgt Ion:180 Resp: 63727

Ion Ratio Lower Upper

180 100

182 97.6 47.9 143.7

145 29.1 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

